
























Bylee

Worklist: 1944

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-1677	1	97383	AM 28 Blood Multi-Drug Quant	
C2017-1716	1	97384	AM 28 Blood Multi-Drug Quant	
C2017-1783	1	97385	AM 28 Blood Multi-Drug Quant	
C2017-1876	1	97386	AM 28 Blood Multi-Drug Quant	
C2017-1925	1	97387	AM 28 Blood Multi-Drug Quant	
C2017-1939	1	97388	AM 28 Blood Multi-Drug Quant	
C2017-1940	1	97389	AM 28 Blood Multi-Drug Quant	
C2017-1969	1	97390	AM 28 Blood Multi-Drug Quant	
C2017-1976	1	97391	AM 28 Blood Multi-Drug Quant	
C2017-1977	1	97392	AM 28 Blood Multi-Drug Quant	
C2017-1978	1	97393	AM 28 Blood Multi-Drug Quant	
C2017-2016	1	97394	AM 28 Blood Multi-Drug Quant	
C2017-2029	1	97395	AM 28 Blood Multi-Drug Quant	
M2017-3887	1	97396	AM 28 Blood Multi-Drug Quant	
M2017-4156	1	97397	AM 28 Blood Multi-Drug Quant	
M2017-4173	1	97398	AM 28 Blood Multi-Drug Quant	
M2017-4174	1	97399	AM 28 Blood Multi-Drug Quant	
M2017-4245	1	97400	AM 28 Blood Multi-Drug Quant	
M2017-4298	1	97401	AM 28 Blood Multi-Drug Quant	
M2017-4299	1	97402	AM 28 Blood Multi-Drug Quant	
M2017-4336	1	97403	AM 28 Blood Multi-Drug Quant	
M2017-4591	2	97404	AM 28 Blood Multi-Drug Quant	
M2017-4624	2	97405	AM 28 Blood Multi-Drug Quant	

A

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

Extraction Date: 10-11-17
Plate lot#: 0507680

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

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

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

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

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
Worklist path: 101117 mda Batch Name: mda plb
- 2. Make necessary changes to integration limits
- 3. Integration linear and r^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions > 10 .
- 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: Not evaluated compound out side method acquisition time - Amphetamine, bupropion
Hydromorphone, naltrexone, naloxone, noroxy codone, cocaine.
Curves limited: Norfentanyl 2.5-100, quetiapine 5-500
citalopram 10-1000, carisoprodol 10-1000



Toxicology AMI method 28 panel 1 external prep information

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

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

Ppd 8/17/17 Exp: 2/17/17 ^g lot 21717 ^g by AMN

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

AM 28 control 50 ul working solution lot (21717) ^g in 9950 ul blood lot (321632)

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

ISP FORENSICS - Cd'A Instrument # 62340

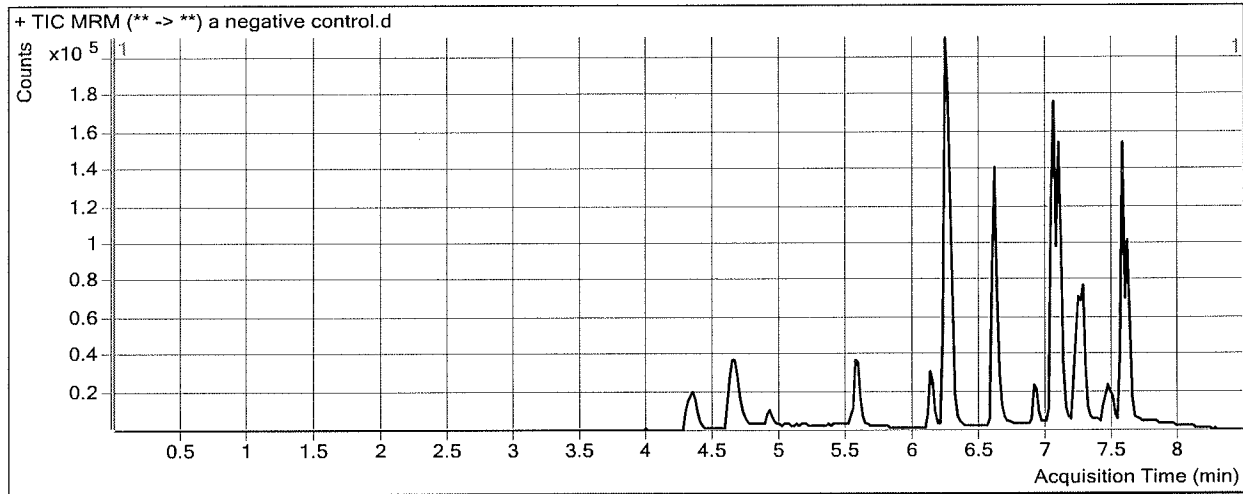
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 19:17 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

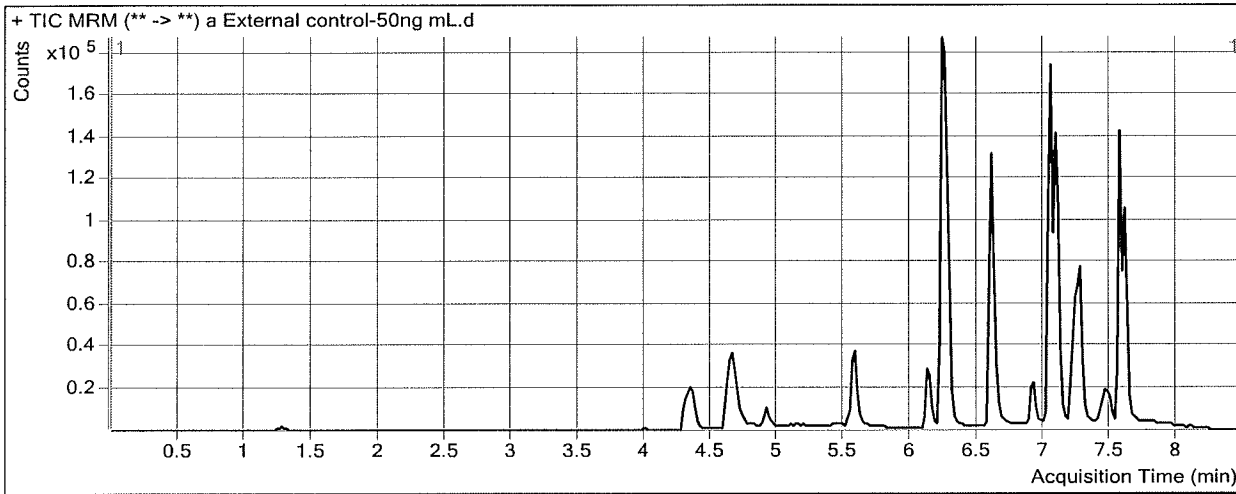
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 19:42 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; lot 21718 50 ng morphine, dextromethorphan lorazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	6617	1620	4.0833	37.2685
Dextromethorphan	Dextromethorphan-D3	7.246	9029	10602	0.8516	42.5128
Lorazepam	Alprazolam-D5	7.601	19684	167104	0.1178	40.8038

ISP FORENSICS - Cd'A Instrument # 62340

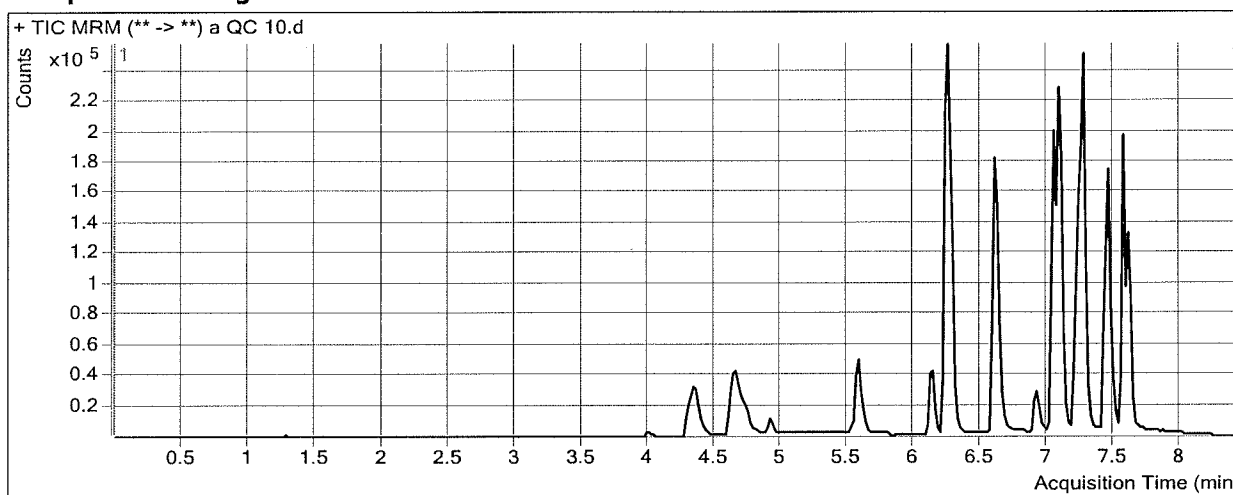
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 20:08 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	1812	1679	1.0788	10.3247
Oxycodone	Oxycodone-D6	4.391	19694	73359	0.2685	10.0031
Godeine	Codeine-D6	4.693	425	1747	0.2433	9.0836 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.713	14107	74887	0.1884	9.3116
Norhydrocodone	Norhydrocodone-D3	4.738	1023	26204	0.0390	10.8682
Methamphetamine	Phentermine-D5	4.741	35079	156062	0.2248	9.9737
6-MAM	6-MAM-D6	4.927	596	26313	0.0226	7.7629
Phentermine	Phentermine-D5	5.623	9536	156062	0.0611	9.8635
Dextroprorphan	Dextroprorphan-D3	6.121	11915	101488	0.1174	9.9331
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	18501	82096	0.2254	9.0405
Tramadol	Tramadol-13C-D3	6.256	117766	585019	0.2013	10.0960
Doxylamine	Doxylamine-D5	6.620	94880	498790	0.1902	9.3424
Meprobamate	Meprobamate-D7	6.951	10632	58287	0.1824	9.8199
Zolpidem	Zolpidem-D6	7.061	94844	481221	0.1971	9.9411
Venlafaxine	Venlafaxine-D6	7.083	89483	421869	0.2121	9.4223
Citalopram	Citalopram-D6	7.216	42794	195008	0.2194	10.2265
Dextromethorphan	Dextromethorphan-D3	7.246	8421	42925	0.1962	10.2293
Trazodone	Trazodone-D6	7.254	38640	172966	0.2234	10.3144
Diphenhydramine	Diphenhydramine-D3	7.270	62446	317946	0.1964	10.0022
Promethazine	Promethazine-D3	7.445	50881	288985	0.1761	9.8963
Clonazepam	Clonazepam-D4	7.481	11977	15656	0.7650	10.6962
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	4476	20597	0.2173	10.6761
Carisoprodol	Carisoprodol-D7	7.571	51112	278763	0.1834	9.6298

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Alprazolam	Alprazolam-D5	7.624	41465	179209	0.2314	9.1907
Lorazepam	Alprazolam-D5	7.601	5849	179209	0.0326	11.5722



ISP FORENSICS - Cd'A Instrument # 62340

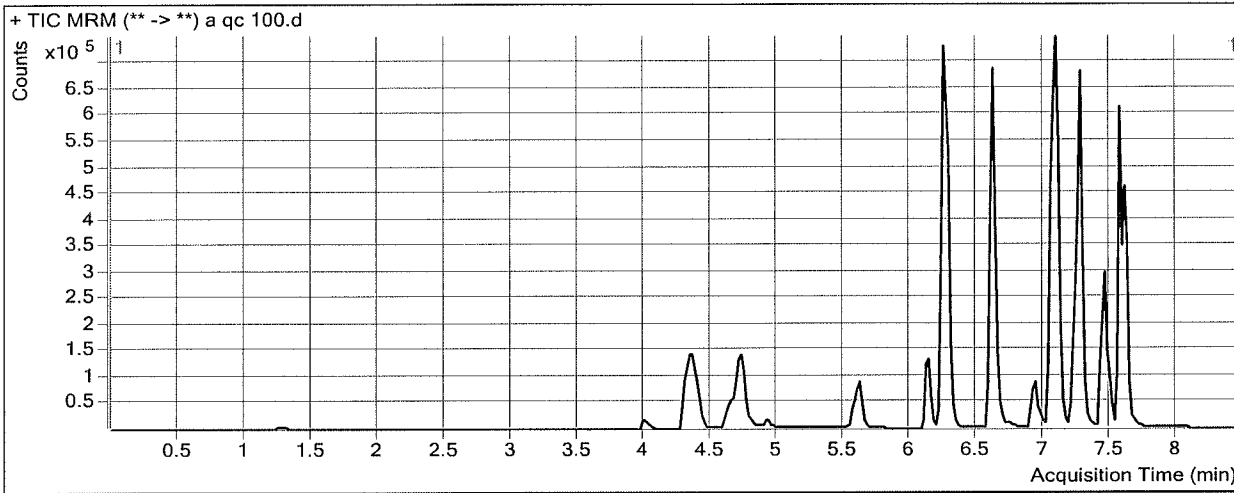
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin		
Analysis Time	10/12/2017 11:54 AM	Analyst Name	anord
Report Time	10/12/2017 1:45 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 11:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 23:18	Data File	a qc 100.d
Sample Type	QC	Sample Name	a qc 100
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	19339	1900	10.1807	91.9480
Oxycodone	Oxycodone-D6	4.391	214252	86844	2.4671	91.9343
Codeine	Codeine-D6	4.713	4378	1712	2.5576	107.0348 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.713	158278	81656	1.9384	105.2977
Norhydrocodone	Norhydrocodone-D3	4.738	9662	27600	0.3501	94.6144
Methamphetamine	Phentermine-D5	4.741	323073	155079	2.0833	113.0135
6-MAM	6-MAM-D6	4.927	6654	26889	0.2474	90.5845
Phentermine	Phentermine-D5	5.623	97954	155079	0.6316	103.9297
Dextroprorphan	Dextroprorphan-D3	6.141	127340	100480	1.2673	100.8747
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	193412	80586	2.4001	111.2047
Tramadol	Tramadol-13C-D3	6.256	1203940	615724	1.9553	100.4322
Doxylamine	Doxylamine-D5	6.620	1051429	519345	2.0245	103.6324
Meprobamate	Meprobamate-D7	6.951	113138	58543	1.9325	101.3082
Zolpidem	Zolpidem-D6	7.061	1005182	508755	1.9758	102.7840
Venlafaxine	Venlafaxine-D6	7.103	889516	416169	2.1374	98.6609
Citalopram	Citalopram-D6	7.216	332258	151908	2.1872	98.5255
Dextromethorphan	Dextromethorphan-D3	7.246	62366	29634	2.1045	104.2284
Trazodone	Trazodone-D6	7.254	300768	145899	2.0615	94.6625
Diphenhydramine	Diphenhydramine-D3	7.270	434670	245389	1.7713	87.6963
Promethazine	Promethazine-D3	7.445	344209	206146	1.6697	91.1875
Clonazepam	Clonazepam-D4	7.481	114275	16170	7.0673	105.8822
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	42134	18302	2.3021	102.4867
Carisoprodol	Carisoprodol-D7	7.571	485967	244866	1.9846	101.5914

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Alprazolam	Alprazolam-D5	7.624	423220	160228	2.6414	100.9355
Lorazepam	Alprazolam-D5	7.601	44864	160228	0.2800	96.4841



ISP FORENSICS - Cd'A Instrument # 62340

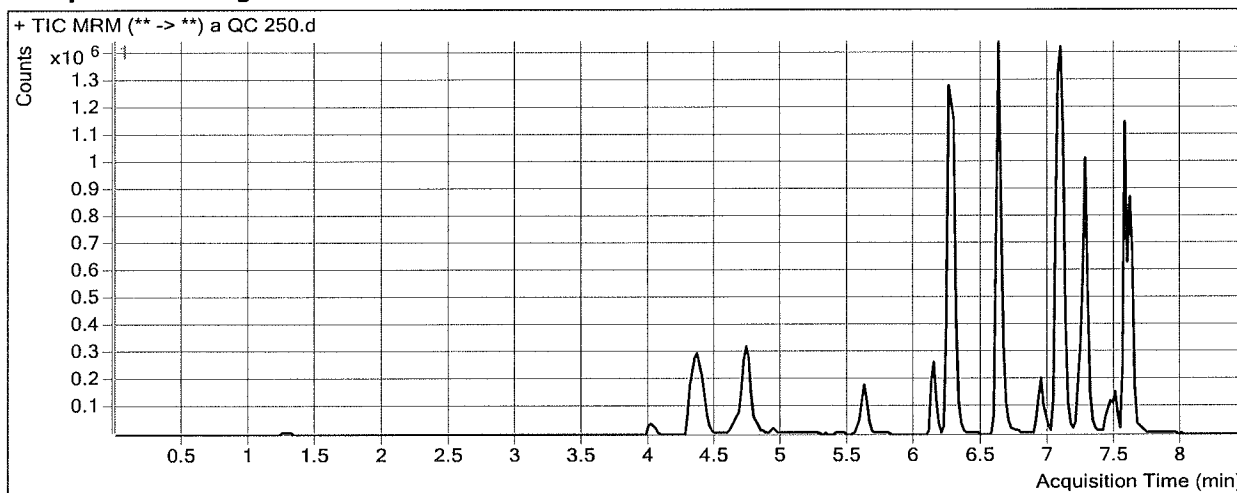
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-12 02:15 **Data File** a QC 250.d
Sample Type QC **Sample Name** a QC 250
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



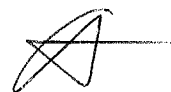
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	48579	1897	25.6065	230.2827
Oxycodone	Oxycodone-D6	4.391	547447	76846	7.1240	265.4699
Codeine	Codeine-D6	4.713	10357	1982	5.2254	219.9540 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.713	372372	77022	4.8346	264.1572
Norhydrocodone	Norhydrocodone-D3	4.738	22751	23807	0.9557	257.6858
Methamphetamine	Phentermine-D5	4.761	738018	142039	5.1959	285.5863
6-MAM	6-MAM-D6	4.947	16819	25493	0.6597	242.4836
Phentermine	Phentermine-D5	5.623	216176	142039	1.5220	250.7193
Dextroprphan	Dextroprphan-D3	6.141	273546	85810	3.1878	252.7604
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	407297	72468	5.6204	262.4904
Tramadol	Tramadol-13C-D3	6.276	2780657	559524	4.9697	255.6785
Doxylamine	Doxylamine-D5	6.620	2372794	482171	4.9211	252.5245
Meprobamate	Meprobamate-D7	6.951	272583	57122	4.7719	249.7386
Zolpidem	Zolpidem-D6	7.061	2384182	497479	4.7925	249.8127
Venlafaxine	Venlafaxine-D6	7.103	1938529	365258	5.3073	245.5883
Citalopram	Citalopram-D6	7.216	494307	92082	5.3681	241.2598
Dextromethorphan	Dextromethorphan-D3	7.246	70646	14528	4.8626	240.0830
Trazodone	Trazodone-D6	7.254	687575	121525	5.6579	259.6985
Diphenhydramine	Diphenhydramine-D3	7.270	687653	125235	5.4909	271.1868
Promethazine	Promethazine-D3	7.445	168198	34395	4.8902	266.4593
Clonazepam	Clonazepam-D4	7.481	234986	12714	18.4831	278.2992
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	95505	16689	5.7226	253.1221
Carisoprodol	Carisoprodol-D7	7.571	1030779	232351	4.4363	226.7575

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
Alprazolam	Alprazolam-D5	7.604	903737	136871	6.6028	251.7446
Lorazepam	Alprazolam-D5	7.581	96982	136871	0.7086	243.5959



ISP FORENSICS - Cd'A Instrument # 62340

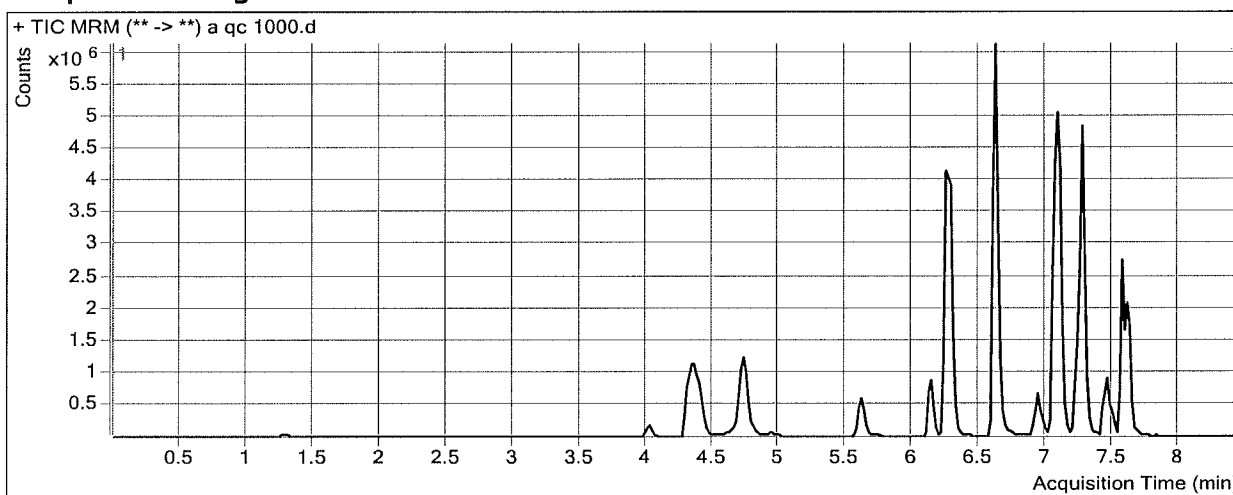
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-12 05:37 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	167700	1659	101.1099	907.3782
Hydromorphone	Hydromorphone-D6	2.209	11820	1877	6.2977	1023.0324 <i>not evaluated</i>
Oxycodone	Oxycodone-D6	4.391	2060493	80710	25.5296	951.3485
Codeine	Codeine-D6	4.713	39493	1819	21.7060	917.5018 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.713	1343928	78607	17.0968	936.7339
Norhydrocodone	Norhydrocodone-D3	4.738	85123	20339	4.1851	1127.2555
Methamphetamine	Phentermine-D5	4.741	3081459	159568	19.3112	1068.1769
6-MAM	6-MAM-D6	4.947	66977	24674	2.7145	999.5019
Phentermine	Phentermine-D5	5.623	836205	159568	5.2404	863.7969
Dextrorphan	Dextrorphan-D3	6.141	1033766	85557	12.0827	956.2199
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	1225392	64117	19.1118	896.2971
Tramadol	Tramadol-13C-D3	6.276	11005145	566016	19.4432	1001.0962
Doxylamine	Doxylamine-D5	6.620	11300275	563739	20.0452	1029.9591
Meprobamate	Meprobamate-D7	6.951	987237	50273	19.6377	1026.8459
Zolpidem	Zolpidem-D6	7.061	8536672	470075	18.1602	947.5756
Venlafaxine	Venlafaxine-D6	7.103	8622683	390342	22.0901	1023.4860
Citalopram	Citalopram-D6	7.216	2424297	117175	20.6896	928.7716
Dextromethorphan	Dextromethorphan-D3	7.246	385520	17131	22.5049	1109.0806
Trazodone	Trazodone-D6	7.254	3926961	215108	18.2557	837.8054
Diphenhydramine	Diphenhydramine-D3	7.270	3372374	193832	17.3984	858.6017
Promethazine	Promethazine-D3	7.445	1429733	89650	15.9479	868.2621
Clonazepam	Clonazepam-D4	7.481	614484	9243	66.4833	1003.2620
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	329789	14062	23.4529	1033.9315

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

a a c 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Carisoprodol	Carisoprodol-D7	7.571	2772390	136121	20.3671	1040.0820
Alprazolam	Alprazolam-D5	7.604	2392814	90864	26.3341	1002.8890
Lorazepam	Alprazolam-D5	7.581	312694	90864	3.4414	1181.6743



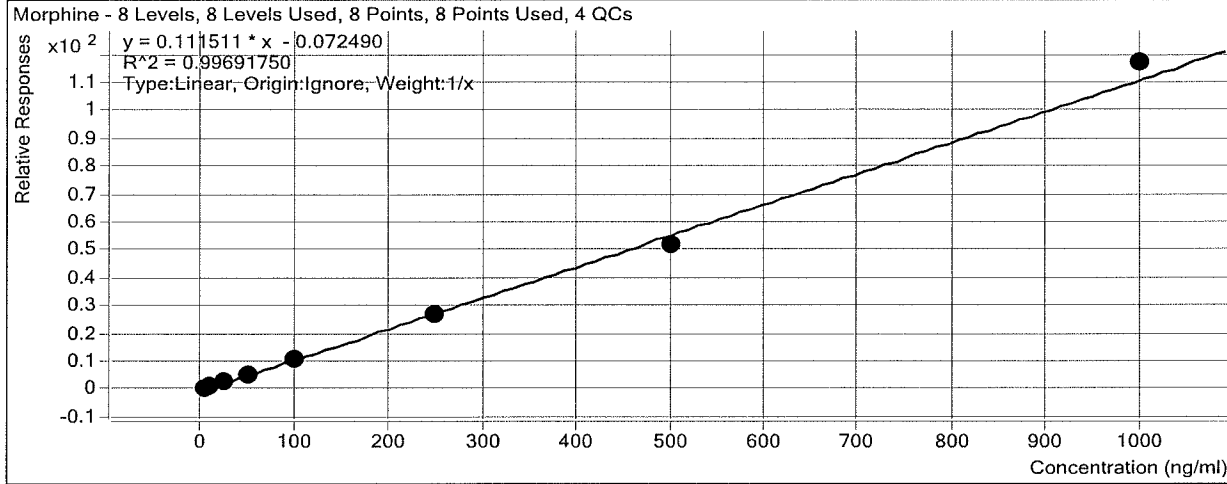
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM

Analyst Name ISP TOX

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



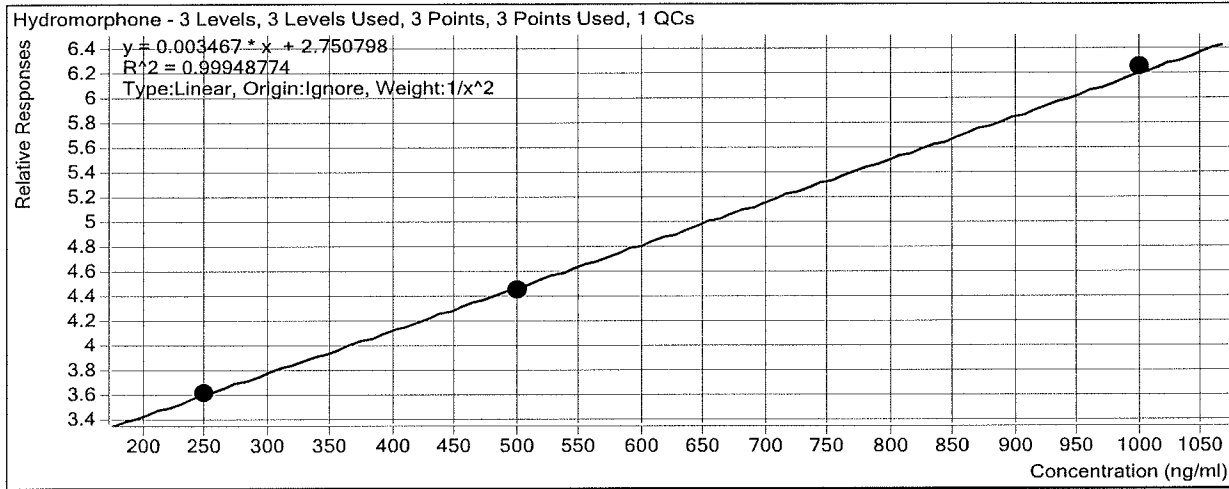
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.9	117.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a qc 100	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.7	95.9
a QC 250	6	<input checked="" type="checkbox"/>	250	230.3	92.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	465.8	93.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1048.7	104.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	907.4	90.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 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 type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a QC 10	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	0.0	0.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	0.0	0.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a qc 100	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250	6	<input checked="" type="checkbox"/>	250	0.0	0.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.6	98.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.9	101.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.0	102.3

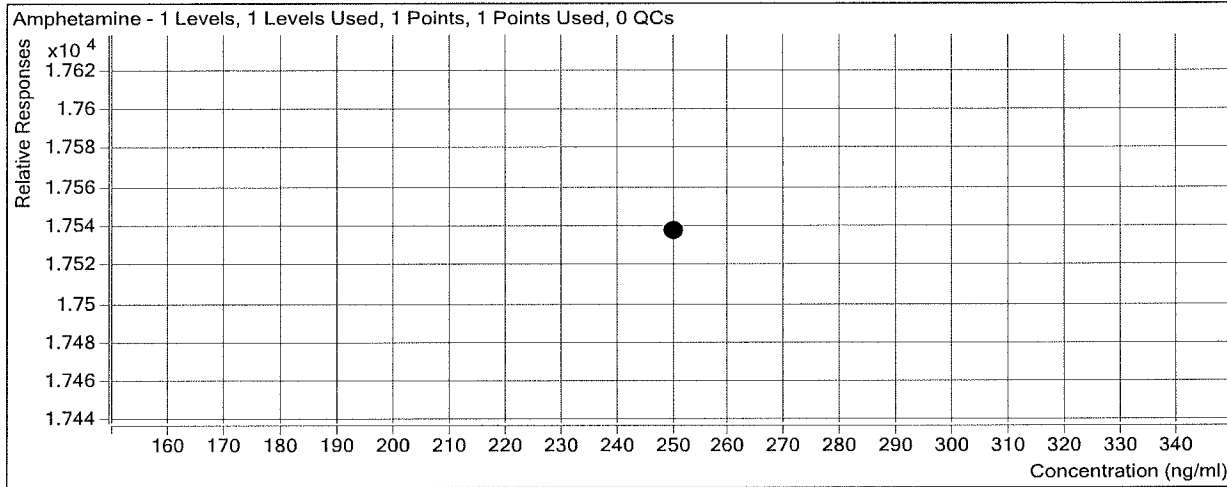
Not evaluated

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 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 type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a QC 10	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	0.0	0.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	0.0	0.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a qc 100	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	0.0	0.0
a QC 250	6	<input checked="" type="checkbox"/>	250	0.0	0.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	0.0	0.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	0.0	0.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	0.0	0.0

Not evaluated
came out prior to acquisition
window ~~in~~ in method

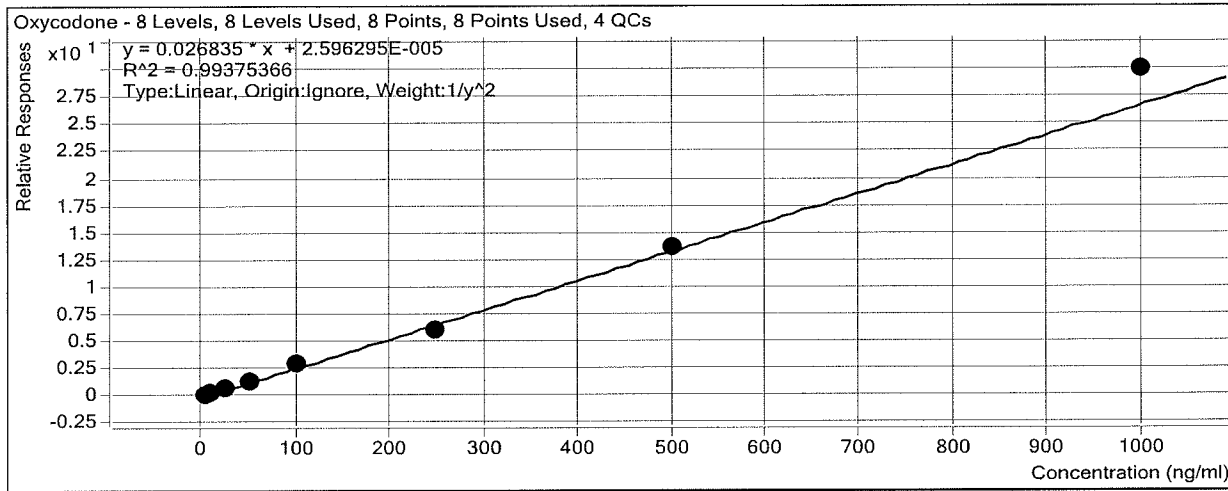
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM

Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



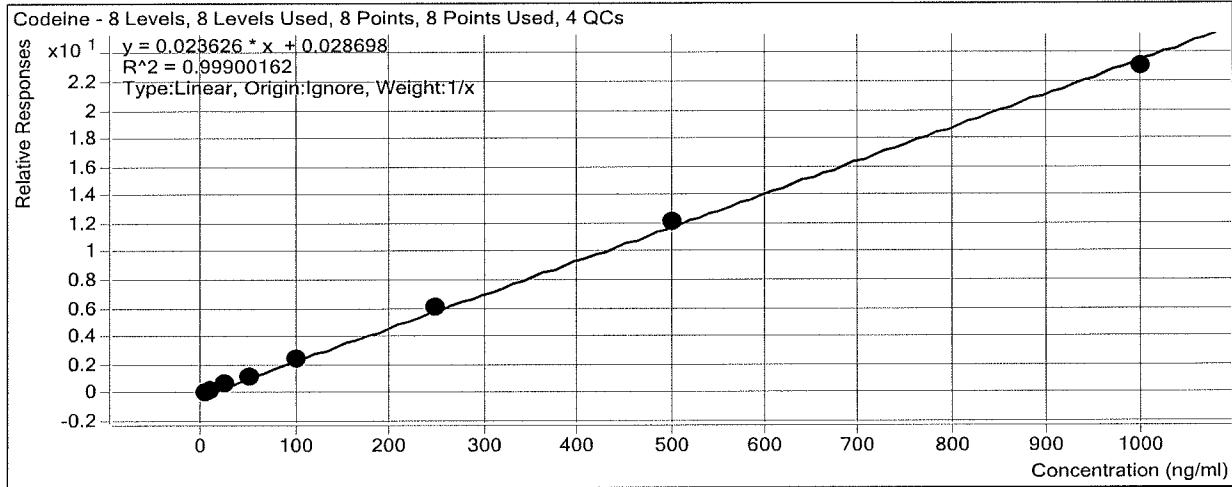
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a qc 100	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	227.4	91.0
a QC 250	6	<input checked="" type="checkbox"/>	250	265.5	106.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.2	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1116.2	111.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	951.3	95.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 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	4.4	88.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	90.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	107.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a qc 100	5	<input checked="" type="checkbox"/>	100	107.0	107.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.6	103.0
a QC 250	6	<input checked="" type="checkbox"/>	250	220.0	88.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.3	103.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.6	97.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	917.5	91.8

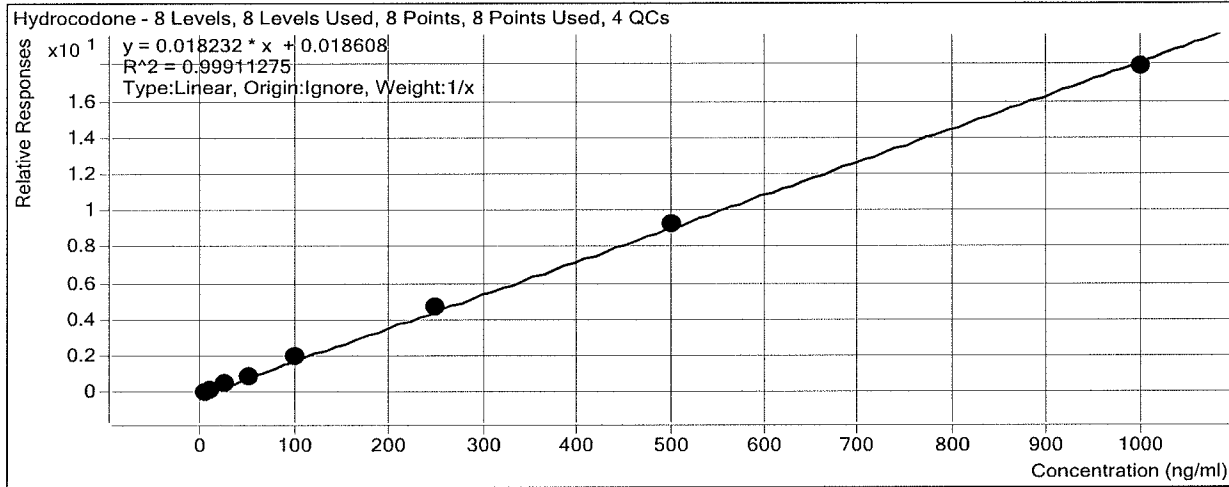
Not evaluated retention time off compound outside acquisition window ★

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



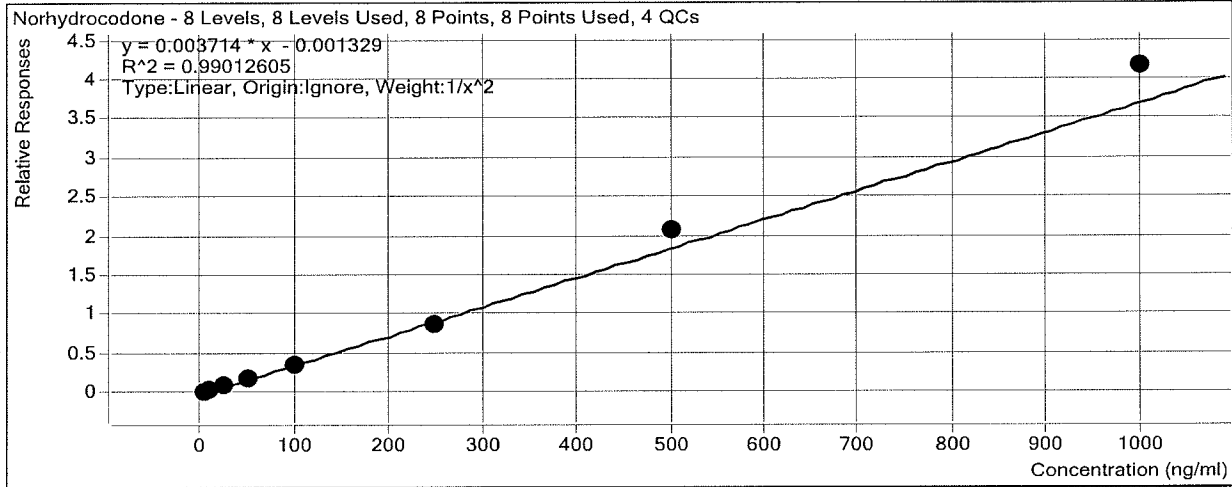
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a qc 100	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.3	102.1
a QC 250	6	<input checked="" type="checkbox"/>	250	264.2	105.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.2	97.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	936.7	93.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



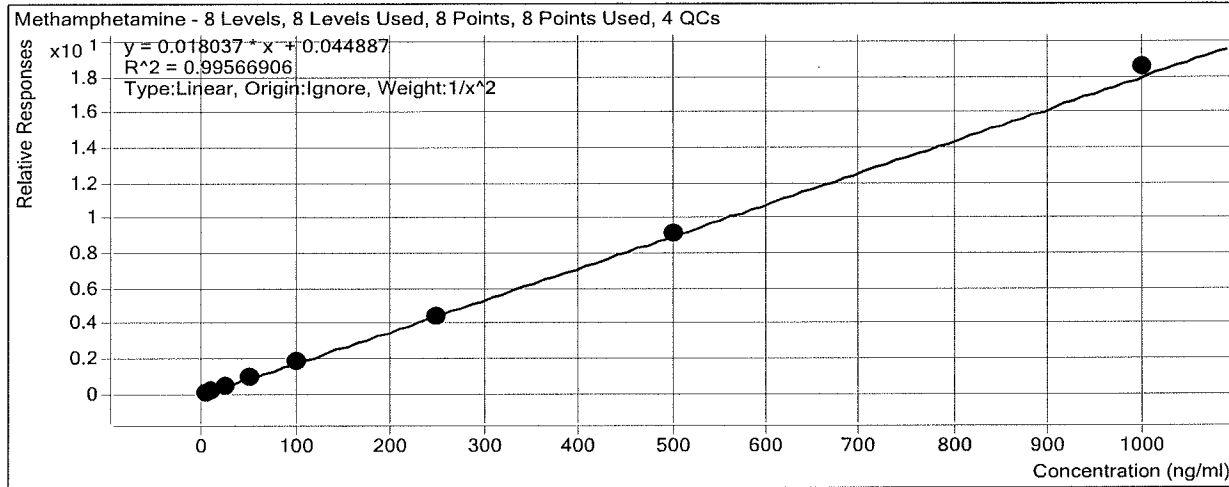
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	101.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.2	90.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a qc 100	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.9	94.4
a QC 250	6	<input checked="" type="checkbox"/>	250	257.7	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	556.5	111.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1120.6	112.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1127.3	112.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a qc 100	5	<input checked="" type="checkbox"/>	100	113.0	113.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.8	96.3
a QC 250	6	<input checked="" type="checkbox"/>	250	285.6	114.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.8	101.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1025.7	102.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1068.2	106.8

ISP Forensics Calibration Curve Report

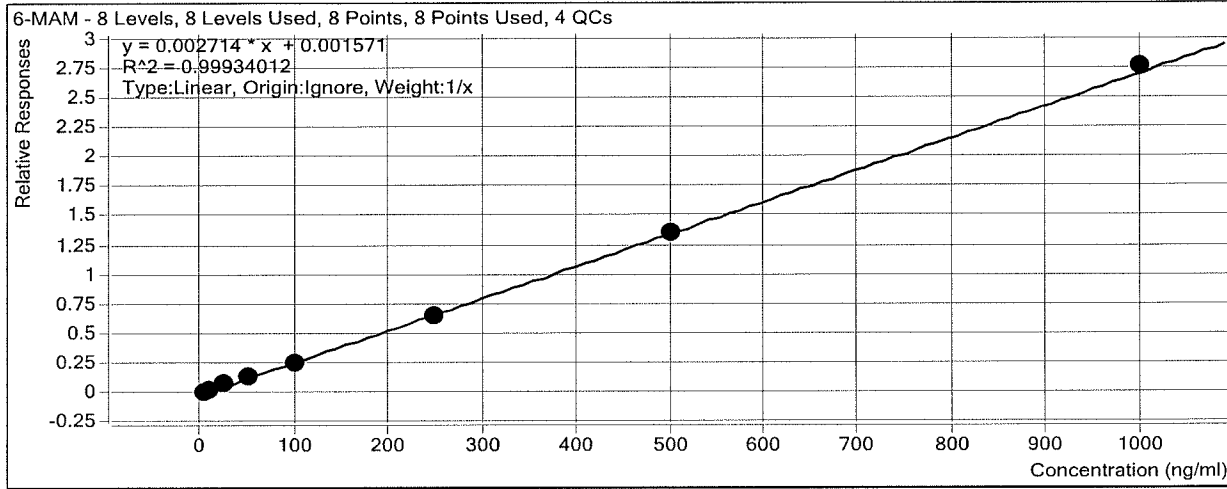
Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM

Analyst Name ISP TOX

Target Compound 6-MAM

Internal Standard 6-MAM-D6



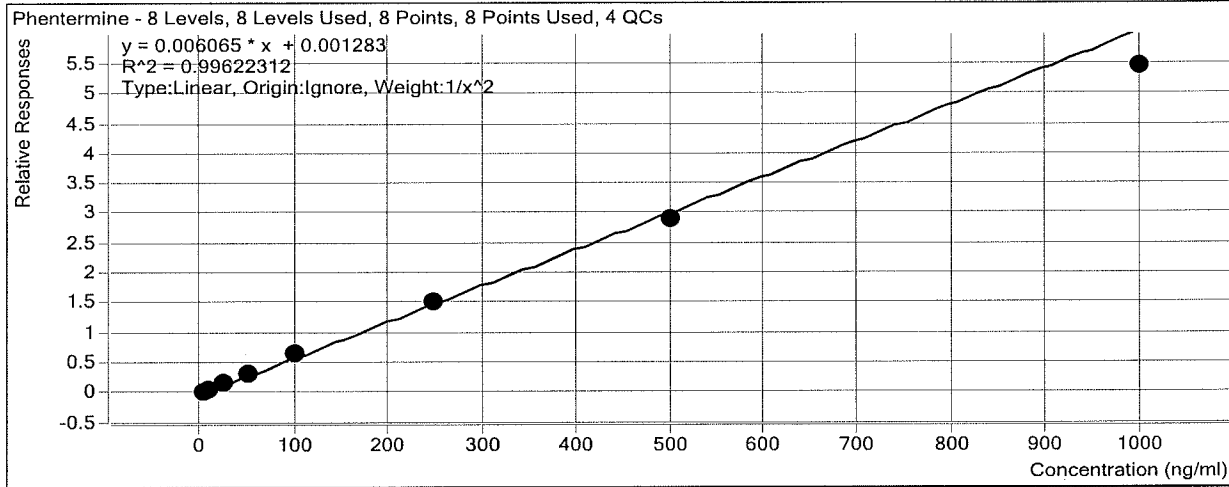
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	91.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	110.8
a QC 10	2	<input checked="" type="checkbox"/>	10	7.8	77.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	107.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a qc 100	5	<input checked="" type="checkbox"/>	100	90.6	90.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.1	96.0
a QC 250	6	<input checked="" type="checkbox"/>	250	242.5	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.6	99.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.3	101.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	999.5	100.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 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	4.9	97.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.6	101.0
a QC 250	6	<input checked="" type="checkbox"/>	250	250.7	100.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.8	96.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	897.1	89.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	863.8	86.4

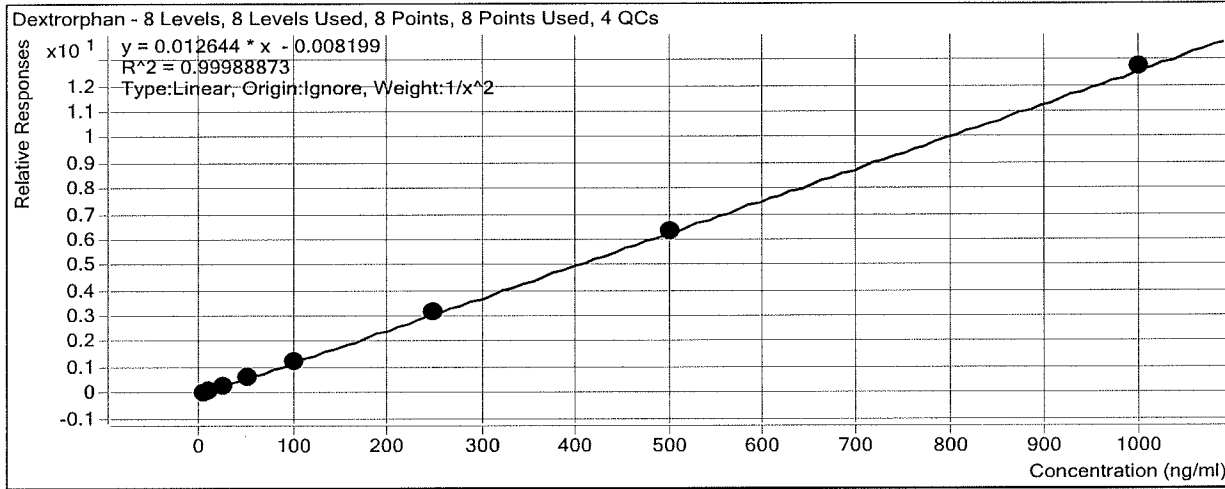
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	98.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a qc 100	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.1	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	252.8	101.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.2	99.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.4	100.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	956.2	95.6

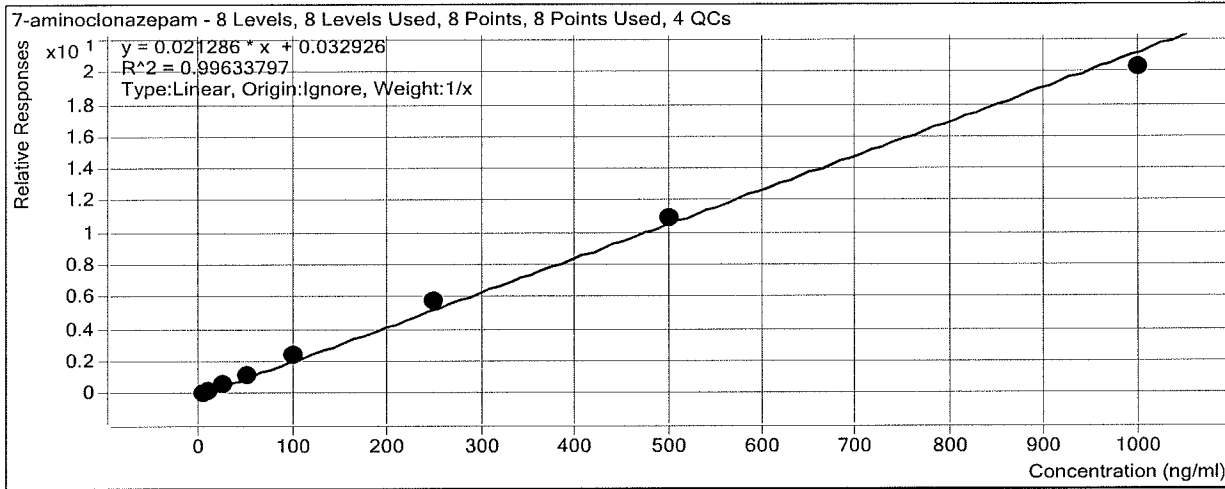
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM

Analyst Name ISP TOX

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



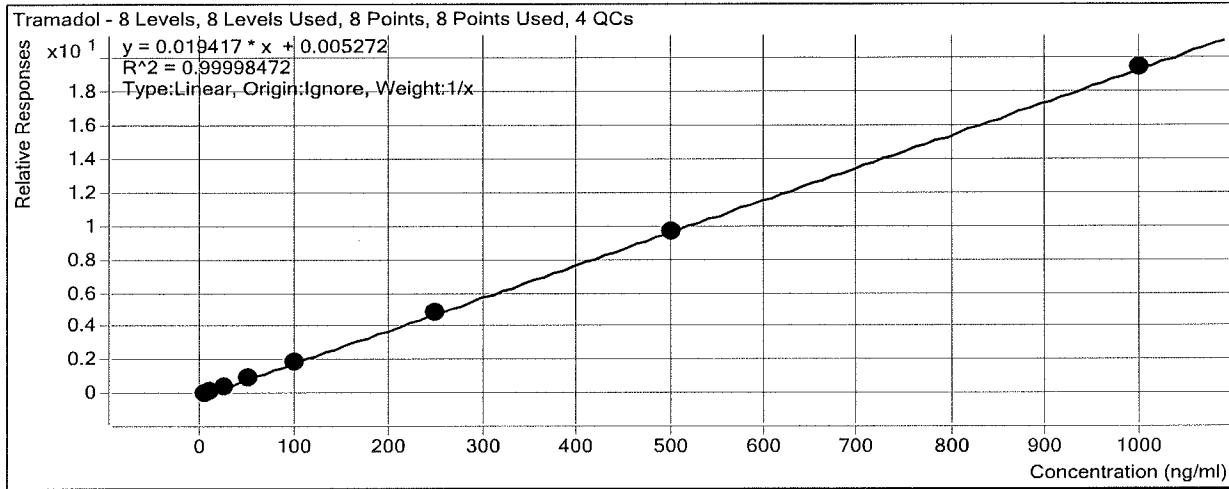
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.9	77.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	92.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.0	90.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.2	108.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.1	110.1
a qc 100	5	<input checked="" type="checkbox"/>	100	111.2	111.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	271.0	108.4
a QC 250	6	<input checked="" type="checkbox"/>	250	262.5	105.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.5	103.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	949.8	95.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	896.3	89.6

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



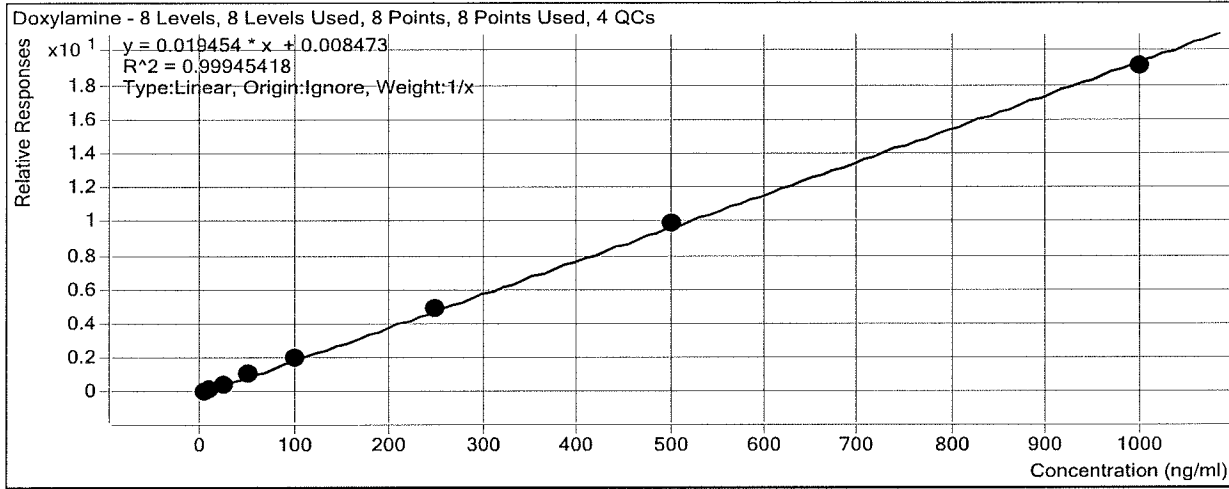
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a qc 100	5	<input checked="" type="checkbox"/>	100	100.4	100.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.4
a QC 250	6	<input checked="" type="checkbox"/>	250	255.7	102.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.7	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.2	100.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1001.1	100.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



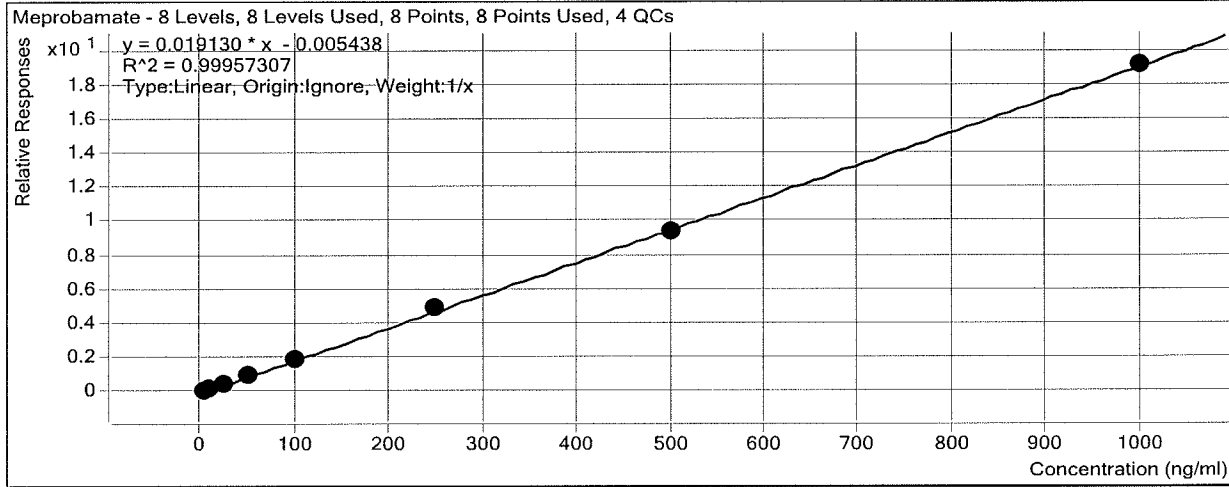
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a qc 100	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.5	101.8
a QC 250	6	<input checked="" type="checkbox"/>	250	252.5	101.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.6	101.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.3	98.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1030.0	103.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

Target Compound *Meprobamate*
Internal Standard *Meprobamate-D7*



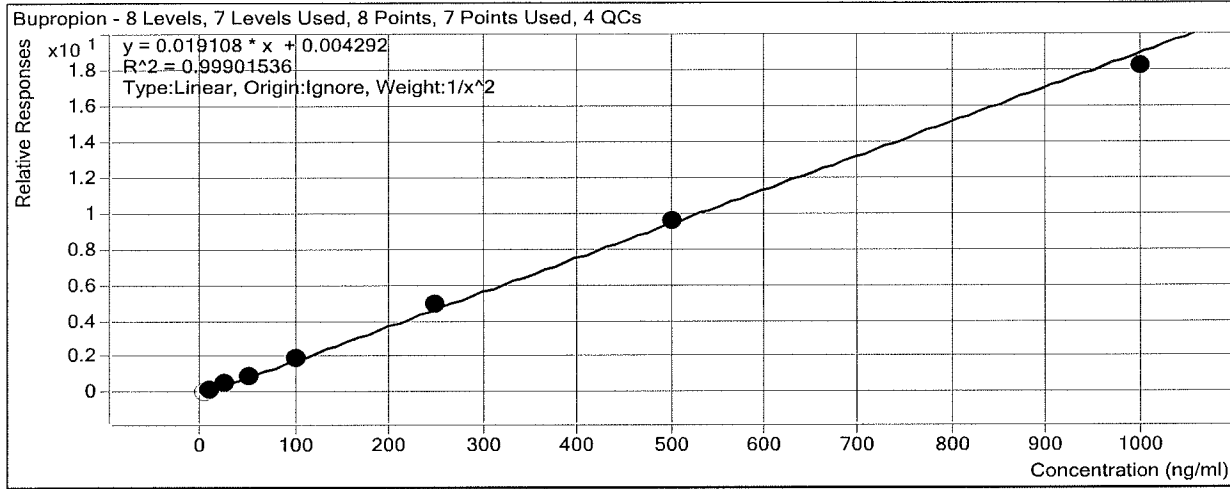
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a qc 100	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.3	104.1
a QC 250	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.0	99.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.6	99.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1026.8	102.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 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 type="checkbox"/>	5	0.0	0.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a QC 10	2	<input checked="" type="checkbox"/>	10	0.0	0.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	0.0	0.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	0.0	0.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a qc 100	5	<input checked="" type="checkbox"/>	100	0.0	0.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	0.0	0.0
a QC 250	6	<input checked="" type="checkbox"/>	250	0.0	0.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	0.0	0.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	0.0	0.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	0.0	0.0

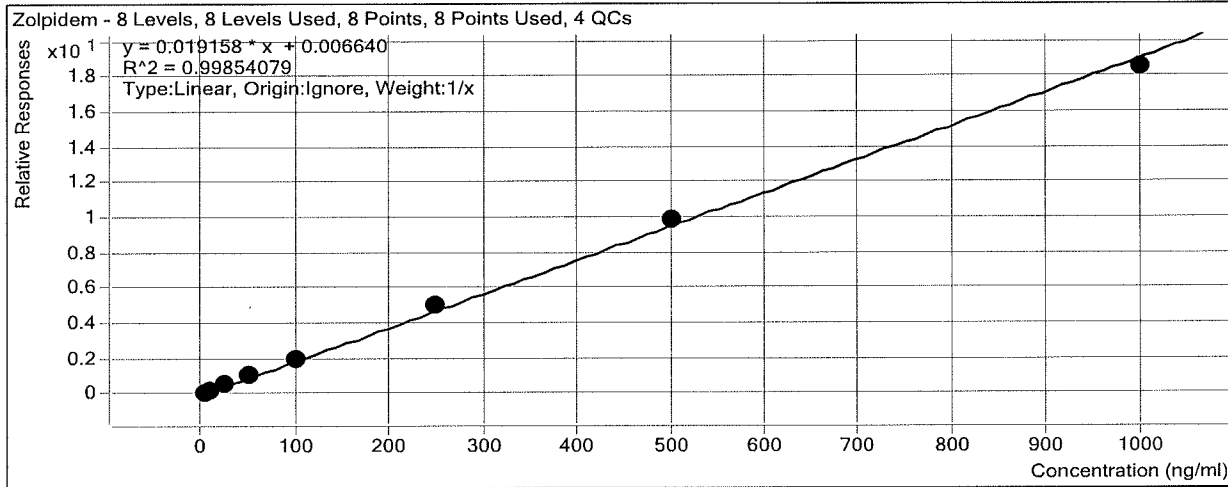
Not evaluated

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



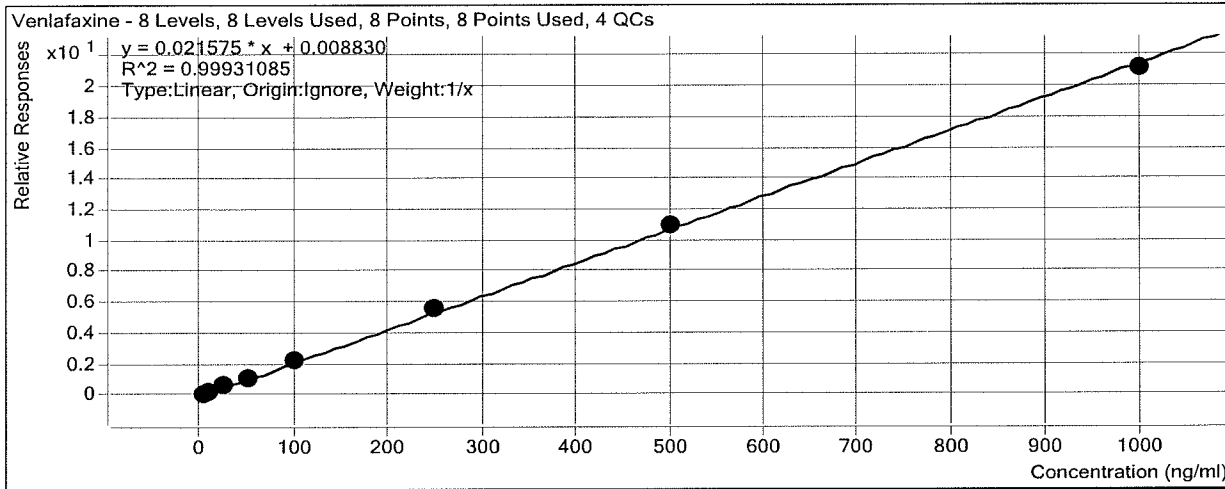
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	86.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a qc 100	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.1	104.1
a QC 250	6	<input checked="" type="checkbox"/>	250	249.8	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.4	103.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.9	96.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	947.6	94.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



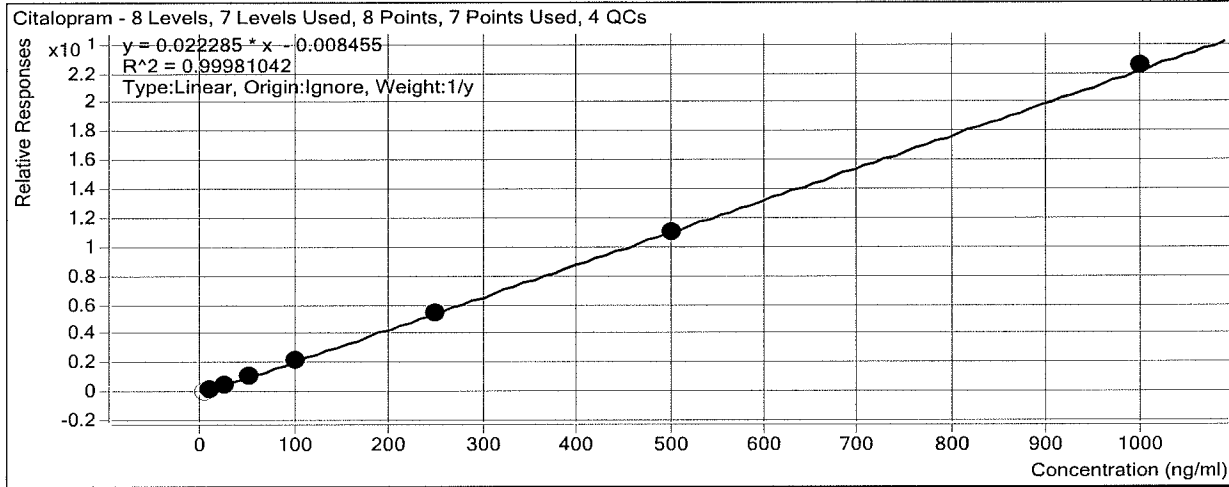
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.1	104.0
a QC 250	6	<input checked="" type="checkbox"/>	250	245.6	98.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.7	101.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	978.3	97.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.5	102.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 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 type="checkbox"/>	5	4.9	98.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.2	102.2
a qc 100	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.5	97.8
a QC 250	6	<input checked="" type="checkbox"/>	250	241.3	96.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.6	98.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.2	100.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	928.8	92.9

ISP Forensics Calibration Curve Report

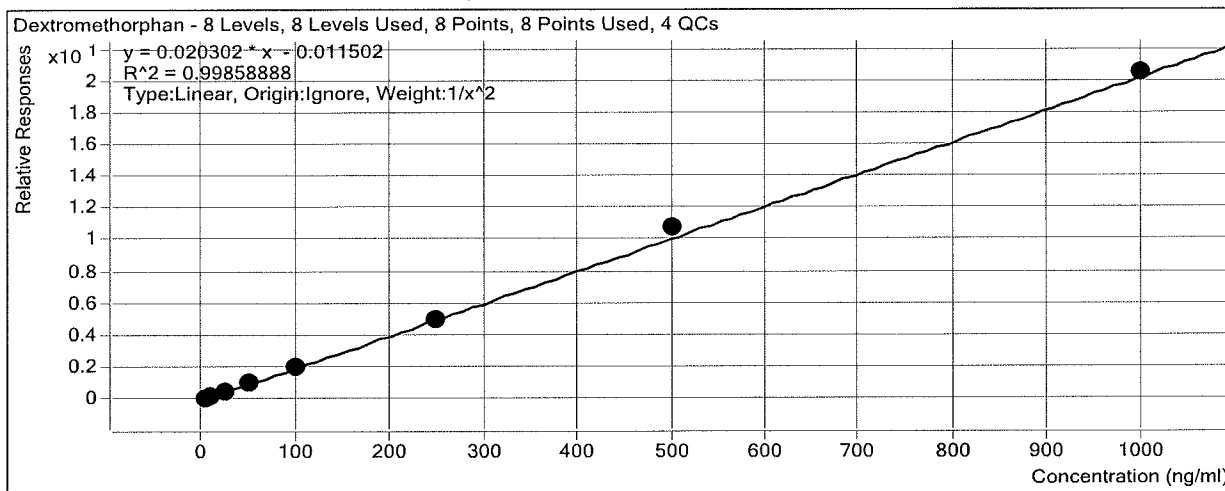
Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM

Analyst Name ISP TOX

Target Compound *Dextromethorphan*

Internal Standard *Dextromethorphan-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a qc 100	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.2	98.1
a QC 250	6	<input checked="" type="checkbox"/>	250	240.1	96.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.4	106.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.7	100.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1109.1	110.9

ISP Forensics Calibration Curve Report

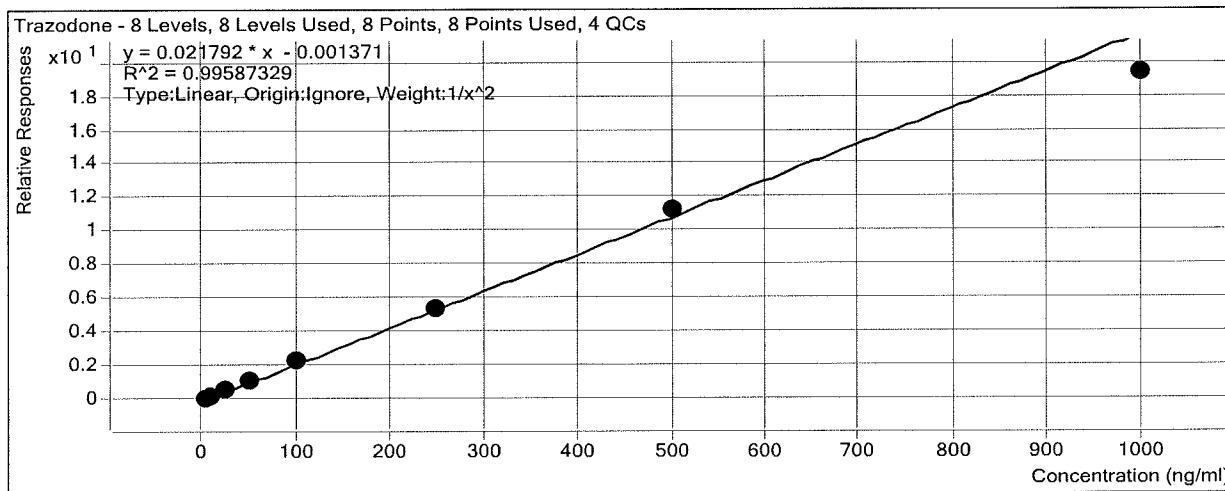
Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM

Analyst Name ISP TOX

Target Compound Trazodone

Internal Standard Trazodone-D6



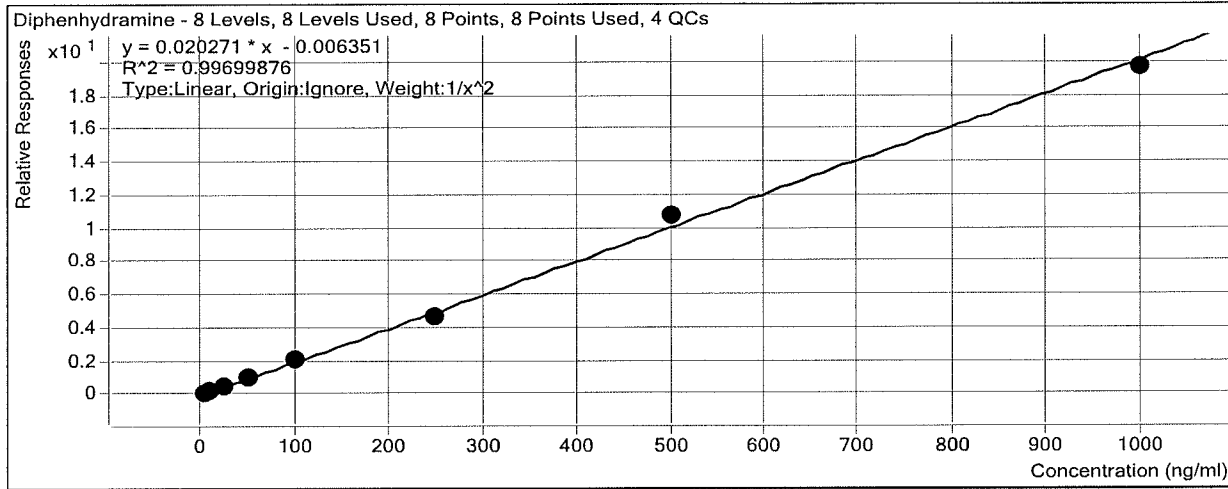
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a qc 100	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.0	98.0
a QC 250	6	<input checked="" type="checkbox"/>	250	259.7	103.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.5	103.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	887.9	88.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	837.8	83.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



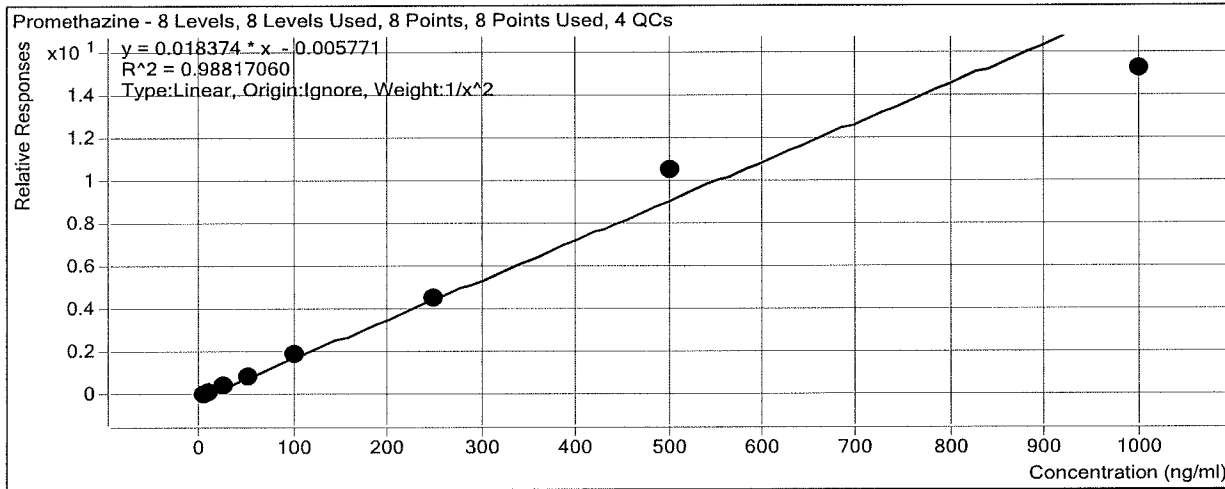
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a qc 100	5	<input checked="" type="checkbox"/>	100	87.7	87.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.9	90.7
a QC 250	6	<input checked="" type="checkbox"/>	250	271.2	108.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	531.5	106.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	970.2	97.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	858.6	85.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

Target Compound *Promethazine*
Internal Standard *Promethazine-D3*



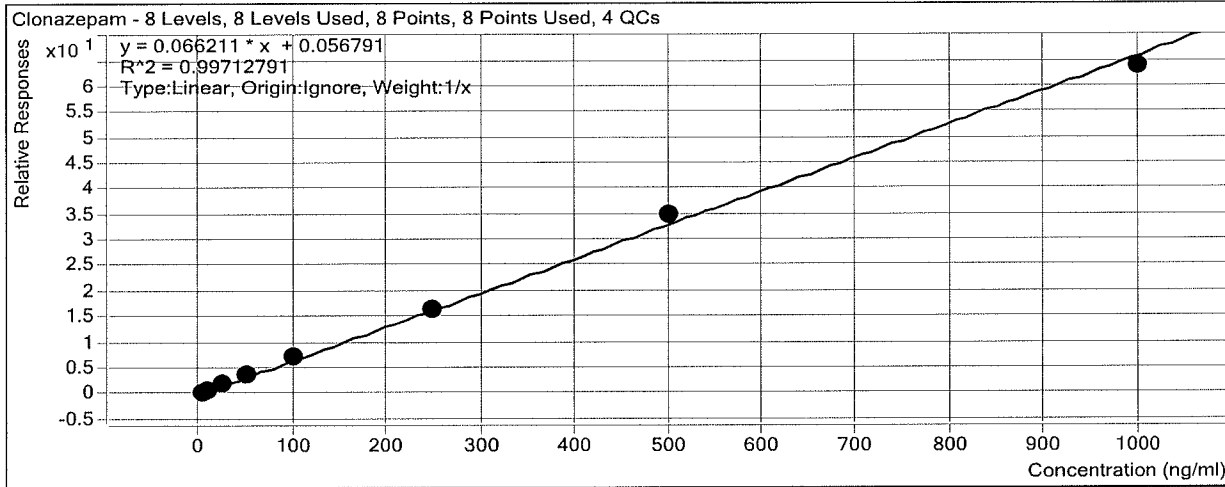
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.0	106.0
a qc 100	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a QC 250	6	<input checked="" type="checkbox"/>	250	266.5	106.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	574.7	114.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	830.7	83.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	868.3	86.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



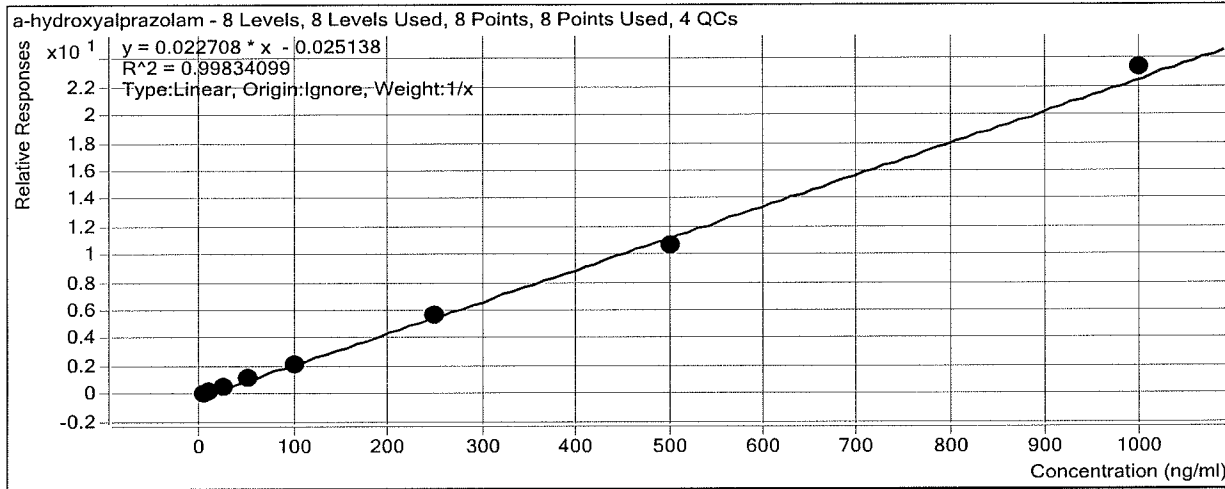
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.5	70.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	29.2	116.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.3	108.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.6	109.6
a qc 100	5	<input checked="" type="checkbox"/>	100	105.9	105.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.1	98.9
a QC 250	6	<input checked="" type="checkbox"/>	250	278.3	111.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.5	104.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	962.3	96.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1003.3	100.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



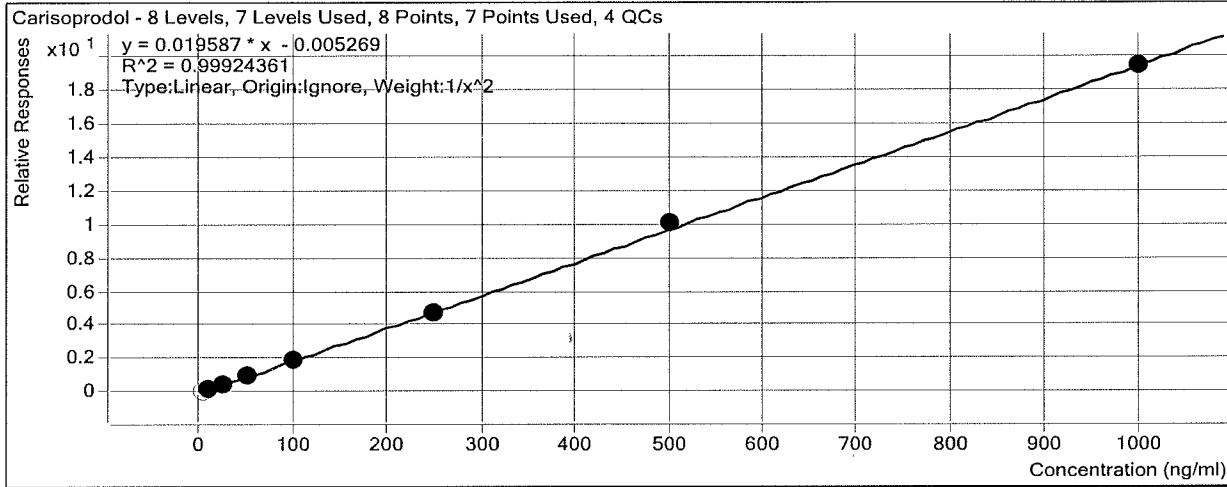
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.0	120.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	89.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.1	93.1
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.9	100.8
a QC 250	6	<input checked="" type="checkbox"/>	250	253.1	101.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	475.3	95.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1030.2	103.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1033.9	103.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

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



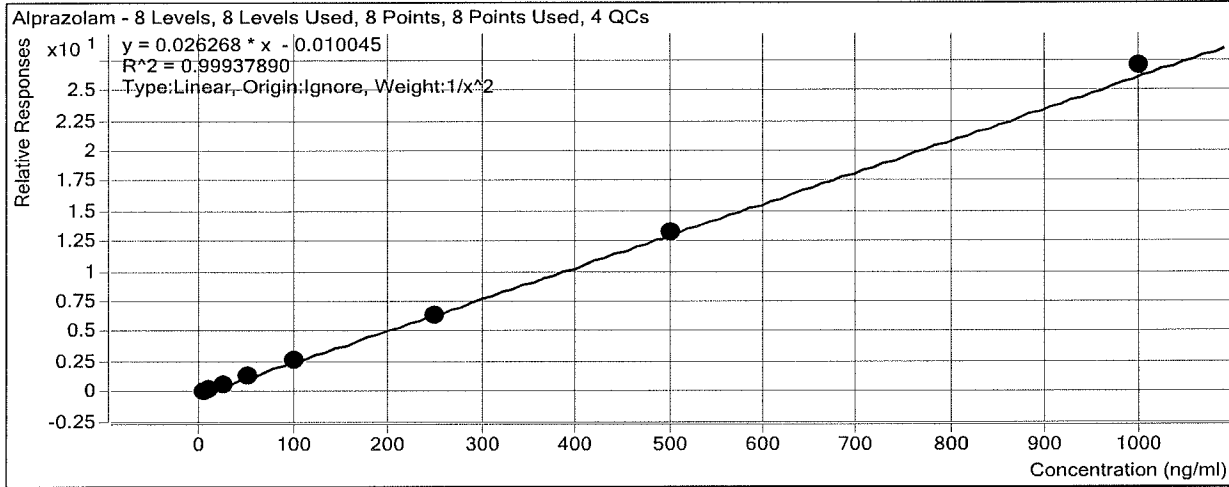
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	4.8	96.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.5	101.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.5	97.5
a qc 100	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.1	97.3
a QC 250	6	<input checked="" type="checkbox"/>	250	226.8	90.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.0	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.2	99.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1040.1	104.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



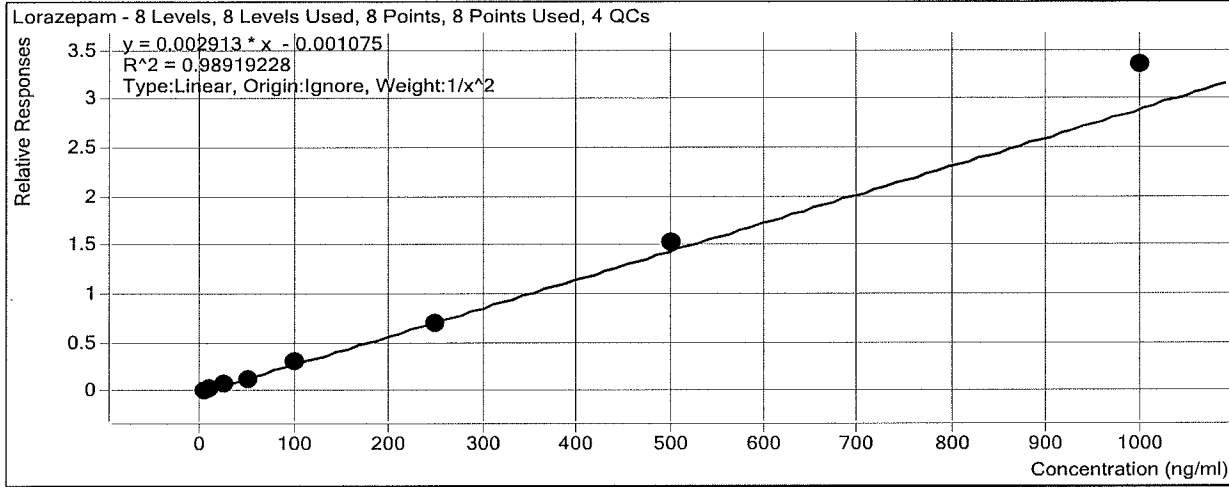
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a qc 100	5	<input checked="" type="checkbox"/>	100	100.9	100.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.5	97.4
a QC 250	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.4	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1028.9	102.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1002.9	100.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin

Last Calib Update 10/12/2017 11:54 AM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.6	115.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.2	84.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a qc 100	5	<input checked="" type="checkbox"/>	100	96.5	96.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.4	95.4
a QC 250	6	<input checked="" type="checkbox"/>	250	243.6	97.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.5	105.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1149.6	115.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1181.7	118.2

ISP FORENSICS - Cd'A Instrument # 62340

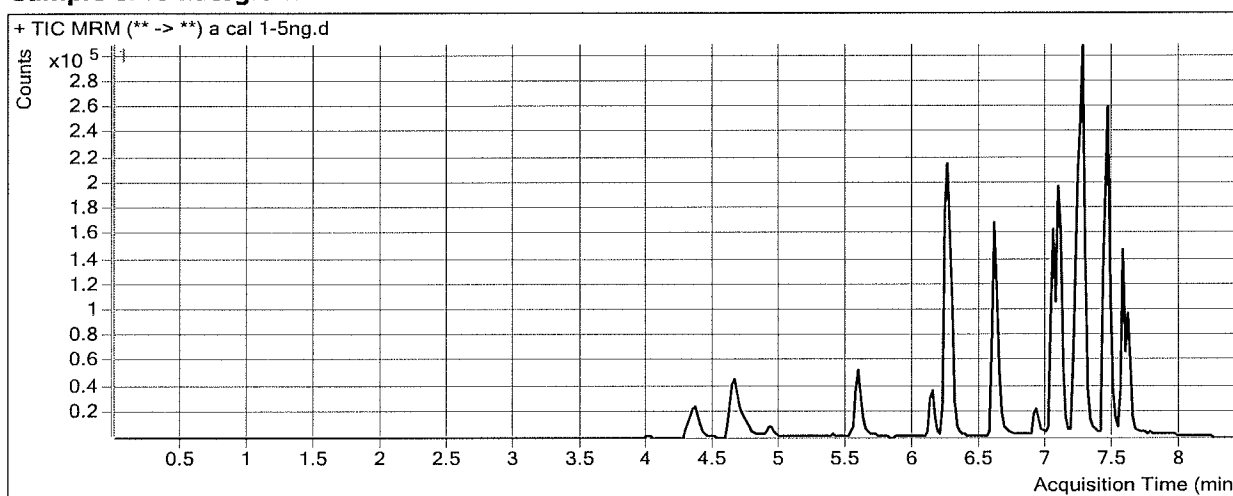
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 15:41 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	723	1239	0.5838	5.8858
Oxycodone	Oxycodone-D6	4.391	8795	65119	0.1351	5.0321
Codeine	Codeine-D6	4.733	199	1501	0.1327	4.4032
Hydrocodone	Hydrocodone-D6	4.713	6686	67556	0.0990	4.4079
Norhydrocodone	Norhydrocodone-D3	4.758	424	23481	0.0181	5.2239
Methamphetamine	Phentermine-D5	4.761	23784	169517	0.1403	5.2902
6-MAM	6-MAM-D6	4.927	302	21697	0.0139	4.5493
Phentermine	Phentermine-D5	5.623	5227	169517	0.0308	4.8722
Dextropran	Dextropran-D3	6.141	5222	94666	0.0552	5.0106
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	8023	69603	0.1153	3.8686
Tramadol	Tramadol-13C-D3	6.256	54376	542675	0.1002	4.8890
Doxylamine	Doxylamine-D5	6.620	45338	471854	0.0961	4.5035
Meprobamate	Meprobamate-D7	6.951	4405	45999	0.0958	5.2908
Zolpidem	Zolpidem-D6	7.061	37931	423089	0.0897	4.3331
Venlafaxine	Venlafaxine-D6	7.083	44851	422380	0.1062	4.5126
Citalopram	Citalopram-D6	7.216	28349	281295	0.1008	4.9017
Dextromethorphan	Dextromethorphan-D3	7.246	6386	70898	0.0901	5.0029
Trazodone	Trazodone-D6	7.254	25310	235111	0.1077	5.0029
Diphenhydramine	Diphenhydramine-D3	7.270	43776	469361	0.0933	4.9143
Promethazine	Promethazine-D3	7.445	42685	478494	0.0892	5.1691
Clonazepam	Clonazepam-D4	7.481	4502	15598	0.2886	3.5018
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	1874	16792	0.1116	6.0221
Carisoprodol	Carisoprodol-D7	7.571	19610	220926	0.0888	4.8007

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

acall

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Alprazolam	Alprazolam-D5	7.624	17863	145685	0.1226	5.0503
Lorazepam	Alprazolam-D5	7.601	2051	145685	0.0141	5.2010



ISP FORENSICS - Cd'A Instrument # 62340

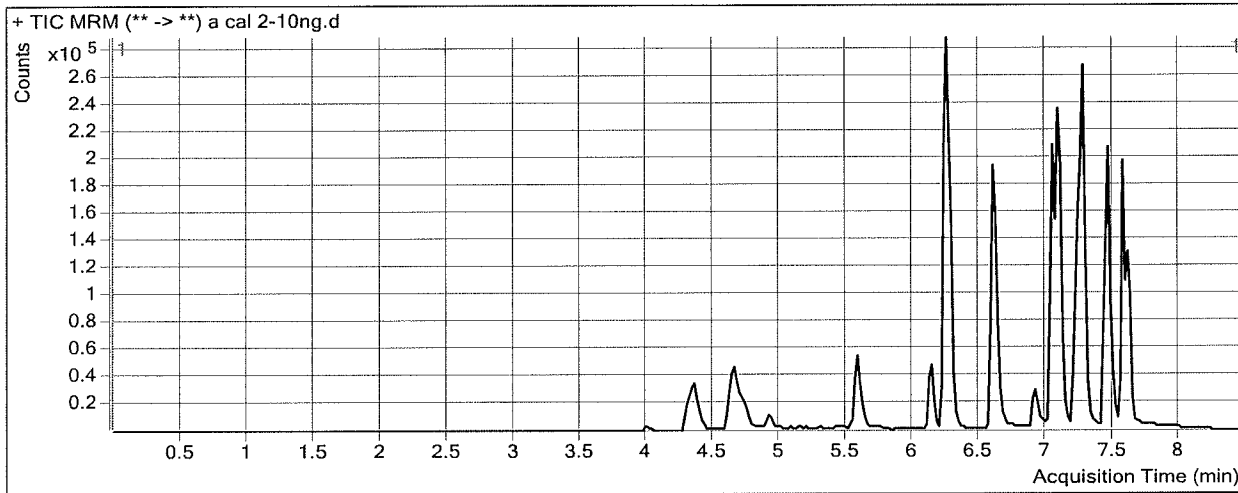
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\101117 mdq\QuantResults\mdq p1a.batch.bin
Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 16:06 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



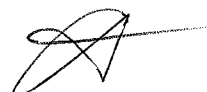
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	1825	1767	1.0323	9.9079
Oxycodone	Oxycodone-D6	4.391	20849	78687	0.2650	9.8725
Codeine	Codeine-D6	4.733	505	1911	0.2644	9.9766
Hydrocodone	Hydrocodone-D6	4.713	15876	78971	0.2010	10.0064
Norhydrocodone	Norhydrocodone-D3	4.738	900	27145	0.0331	9.2818
Methamphetamine	Phentermine-D5	4.761	33947	166458	0.2039	8.8182
6-MAM	6-MAM-D6	4.947	843	26634	0.0316	11.0801
Phentermine	Phentermine-D5	5.623	10560	166458	0.0634	10.2481
Dextroprphan	Dextroprphan-D3	6.141	12883	109398	0.1178	9.9618
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	19696	85655	0.2299	9.2555
Tramadol	Tramadol-13C-D3	6.256	128217	643189	0.1993	9.9952
Doxylamine	Doxylamine-D5	6.620	105887	527326	0.2008	9.8863
Meprobamate	Meprobamate-D7	6.951	10021	55989	0.1790	9.6406
Zolpidem	Zolpidem-D6	7.061	98382	493522	0.1993	10.0589
Venlafaxine	Venlafaxine-D6	7.103	97677	445827	0.2191	9.7458
Citalopram	Citalopram-D6	7.236	46406	214009	0.2168	10.1096
Dextromethorphan	Dextromethorphan-D3	7.246	9152	47257	0.1937	10.1058
Trazodone	Trazodone-D6	7.254	38414	179937	0.2135	9.8597
Diphenhydramine	Diphenhydramine-D3	7.270	67302	332025	0.2027	10.3128
Promethazine	Promethazine-D3	7.445	60587	371634	0.1630	9.1867
Clonazepam	Clonazepam-D4	7.481	12055	17542	0.6872	9.5219
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.559	3953	22188	0.1782	8.9537
Carisoprodol	Carisoprodol-D7	7.571	51335	272236	0.1886	9.8960

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

acal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Alprazolam	Alprazolam-D5	7.624	44405	178486	0.2488	9.8533
Lorazepam	Alprazolam-D5	7.601	4807	178486	0.0269	9.6143



ISP FORENSICS - Cd'A Instrument # 62340

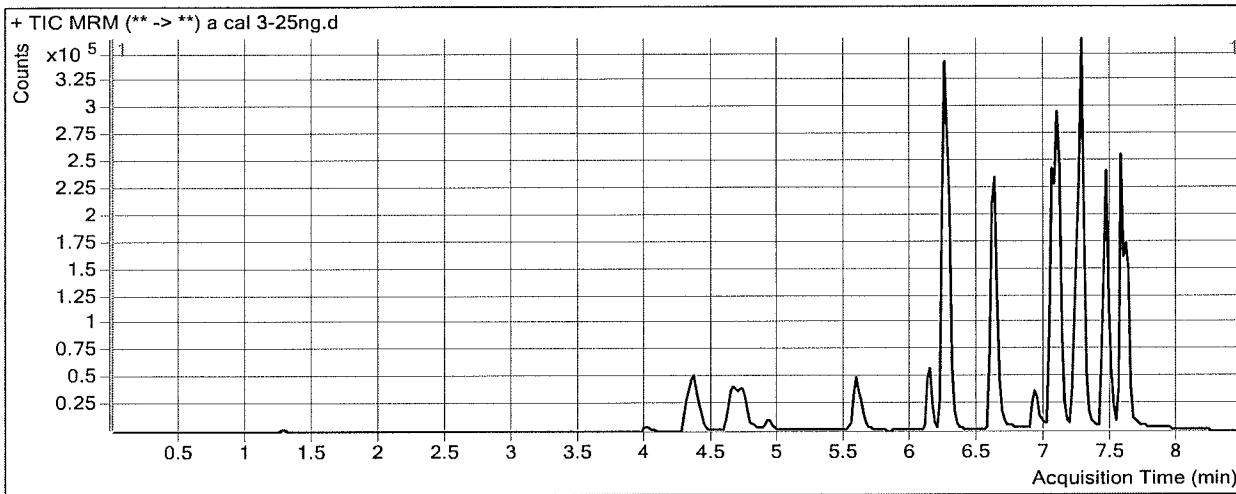
Multi-Drug Confirmatory Analysis Report

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Analysis Time	10/12/2017 11:54 AM	Analyst Name	anord
Report Time	10/12/2017 1:45 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 11:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 16:32	Data File	a cal 3-25ng.d
Sample Type	Calibration	Sample Name	a cal 3-25ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	4857	1910	2.5426	23.4513
Oxycodone	Oxycodone-D6	4.391	53734	76937	0.6984	26.0254
Codeine	Codeine-D6	4.713	1215	1825	0.6657	26.9604
Hydrocodone	Hydrocodone-D6	4.713	37866	78639	0.4815	25.3905
Norhydrocodone	Norhydrocodone-D3	4.738	2477	26556	0.0933	25.4740
Methamphetamine	Phentermine-D5	4.761	72942	149609	0.4875	24.5423
6-MAM	6-MAM-D6	4.927	1926	25771	0.0747	26.9520
Phentermine	Phentermine-D5	5.623	23770	149609	0.1589	25.9841
Dextrophan	Dextrophan-D3	6.141	30407	98093	0.3100	25.1633
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	47722	80538	0.5925	26.2899
Tramadol	Tramadol-13C-D3	6.256	300061	597967	0.5018	25.5724
Doxylamine	Doxylamine-D5	6.620	240812	484126	0.4974	25.1334
Meprobamate	Meprobamate-D7	6.951	24878	54713	0.4547	24.0543
Zolpidem	Zolpidem-D6	7.061	239944	491547	0.4881	25.1332
Venlafaxine	Venlafaxine-D6	7.103	225293	390422	0.5770	26.3375
Citalopram	Citalopram-D6	7.236	107882	198202	0.5443	24.8036
Dextromethorphan	Dextromethorphan-D3	7.246	21891	44376	0.4933	24.8651
Trazodone	Trazodone-D6	7.254	94289	172717	0.5459	25.1145
Diphenhydramine	Diphenhydramine-D3	7.270	159107	318799	0.4991	24.9338
Promethazine	Promethazine-D3	7.445	142049	305821	0.4645	25.5932
Clonazepam	Clonazepam-D4	7.481	30406	15294	1.9881	29.1692
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.559	11190	20996	0.5330	24.5783
Carisoprodol	Carisoprodol-D7	7.571	127723	256221	0.4985	25.7184

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
Alprazolam	Alprazolam-D5	7.624	107705	167385	0.6435	24.8779
Lorazepam	Alprazolam-D5	7.601	11580	167385	0.0692	24.1168



ISP FORENSICS - Cd'A Instrument # 62340

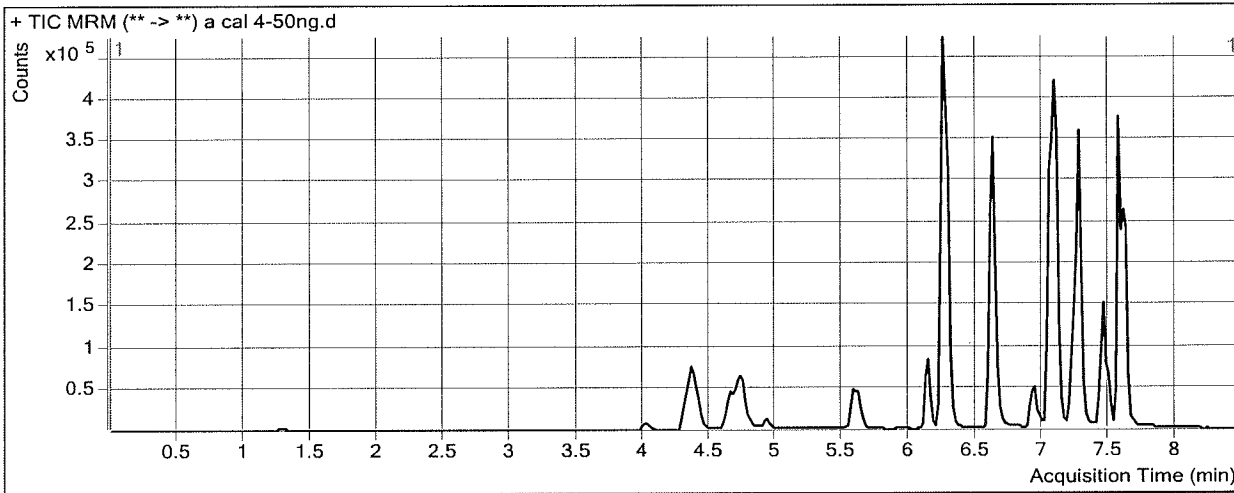
Multi-Drug Confirmatory Analysis Report

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Report Time	10/12/2017 1:45 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 11:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 16:57	Data File	a cal 4-50ng.d
Sample Type	Calibration	Sample Name	a cal 4-50ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	8725	1622	5.3800	48.8965
Oxycodone	Oxycodone-D6	4.411	98352	79175	1.2422	46.2898
Codeine	Codeine-D6	4.713	2192	1858	1.1801	48.7334
Hydrocodone	Hydrocodone-D6	4.713	74526	80454	0.9263	49.7873
Norhydrocodone	Norhydrocodone-D3	4.738	4440	26659	0.1665	45.1991
Methamphetamine	Phentermine-D5	4.761	138109	142096	0.9719	51.3985
6-MAM	6-MAM-D6	4.947	3478	25916	0.1342	48.8689
Phentermine	Phentermine-D5	5.623	44445	142096	0.3128	51.3586
Dextroprphan	Dextroprphan-D3	6.141	59011	96503	0.6115	49.0085
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	92296	77810	1.1862	54.1776
Tramadol	Tramadol-13C-D3	6.256	600737	611540	0.9823	50.3209
Doxylamine	Doxylamine-D5	6.620	472764	457441	1.0335	52.6898
Meprobamate	Meprobamate-D7	6.951	51527	52691	0.9779	51.4052
Zolpidem	Zolpidem-D6	7.061	482478	482647	0.9997	51.8329
Venlafaxine	Venlafaxine-D6	7.103	434095	397725	1.0914	50.1802
Citalopram	Citalopram-D6	7.236	147847	133725	1.1056	49.9905
Dextromethorphan	Dextromethorphan-D3	7.246	23322	24184	0.9644	48.0676
Trazodone	Trazodone-D6	7.254	138355	124674	1.1097	50.9876
Diphenhydramine	Diphenhydramine-D3	7.270	207547	201935	1.0278	51.0154
Promethazine	Promethazine-D3	7.445	125171	139255	0.8989	49.2338
Clonazepam	Clonazepam-D4	7.481	58478	16024	3.6494	54.2604
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.559	22572	20391	1.1070	49.8554
Carisoprodol	Carisoprodol-D7	7.571	254334	258564	0.9836	50.4874

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

a cal y

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Alprazolam	Alprazolam-D5	7.624	216707	170917	1.2679	48.6501
Lorazepam	Alprazolam-D5	7.601	20816	170917	0.1218	42.1758



ISP FORENSICS - Cd'A Instrument # 62340

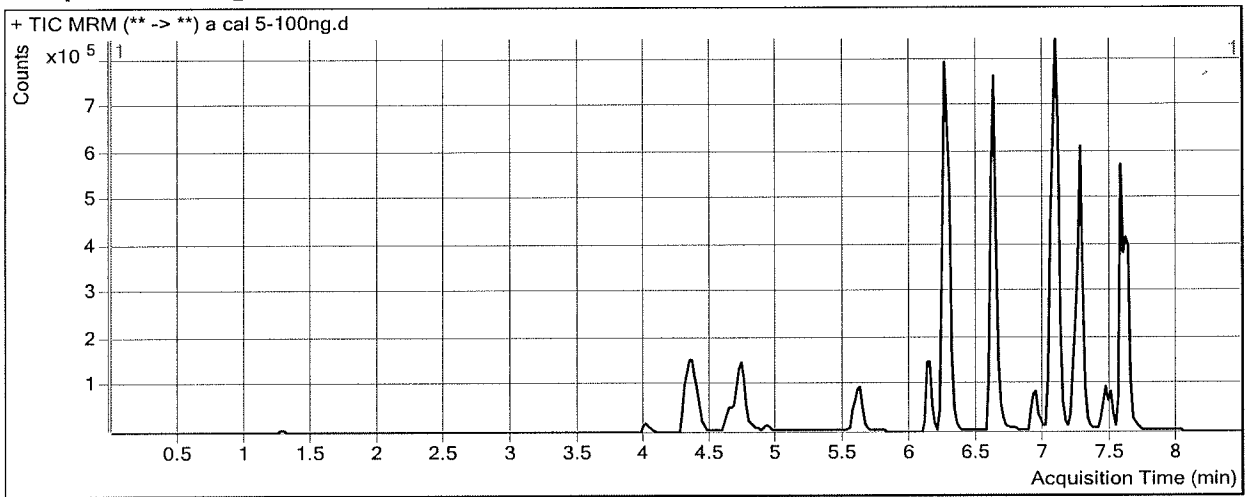
Multi-Drug Confirmatory Analysis Report

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Analysis Time	10/12/2017 11:54 AM	Analyst Name	anord
Report Time	10/12/2017 1:45 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 11:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 17:23	Data File	a cal 5-100ng.d
Sample Type	Calibration	Sample Name	a cal 5-100ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	17077	1578	10.8238	97.7151
Oxycodone	Oxycodone-D6	4.391	220009	76955	2.8589	106.5360
Codeine	Codeine-D6	4.713	4222	1708	2.4717	103.3997
Hydrocodone	Hydrocodone-D6	4.713	159211	79172	2.0110	109.2800
Norhydrocodone	Norhydrocodone-D3	4.738	9165	26733	0.3428	92.6729
Methamphetamine	Phentermine-D5	4.741	342962	177259	1.9348	104.7821
6-MAM	6-MAM-D6	4.927	7085	27145	0.2610	95.5873
Phentermine	Phentermine-D5	5.623	114758	177259	0.6474	106.5281
Dextroprphan	Dextroprphan-D3	6.121	146371	115506	1.2672	100.8673
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	174475	73436	2.3759	110.0688
Tramadol	Tramadol-13C-D3	6.256	1327305	683516	1.9419	99.7397
Doxylamine	Doxylamine-D5	6.620	1178303	583343	2.0199	103.3951
Meprobamate	Meprobamate-D7	6.951	102916	56330	1.8270	95.7921
Zolpidem	Zolpidem-D6	7.061	998611	498454	2.0034	104.2273
Venlafaxine	Venlafaxine-D6	7.103	1071625	479430	2.2352	103.1948
Citalopram	Citalopram-D6	7.216	319650	140909	2.2685	102.1719
Dextromethorphan	Dextromethorphan-D3	7.246	42497	21608	1.9668	97.4427
Trazodone	Trazodone-D6	7.254	287347	121915	2.3569	108.2216
Diphenhydramine	Diphenhydramine-D3	7.270	410024	197448	2.0766	102.7557
Promethazine	Promethazine-D3	7.445	104985	54052	1.9423	106.0211
Clonazepam	Clonazepam-D4	7.481	107113	14652	7.3106	109.5570
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.559	41593	19903	2.0898	93.1363
Carisoprodol	Carisoprodol-D7	7.571	466137	244743	1.9046	97.5057

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
Alprazolam	Alprazolam-D5	7.624	411307	153351	2.6821	102.4875
Lorazepam	Alprazolam-D5	7.601	45749	153351	0.2983	102.7763



ISP FORENSICS - Cd'A Instrument # 62340

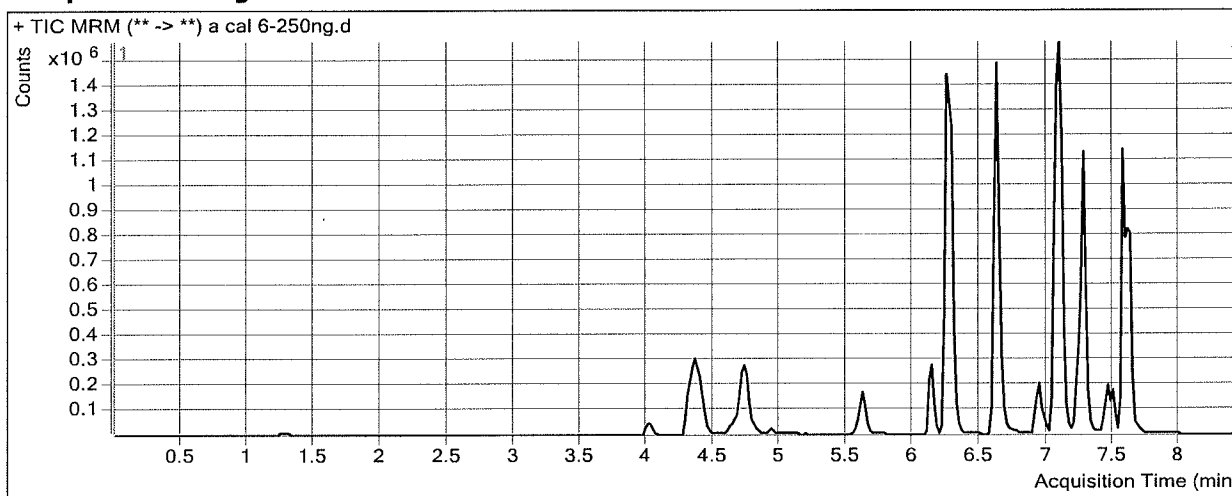
Multi-Drug Confirmatory Analysis Report

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Report Time	10/12/2017 1:45 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 11:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 17:48	Data File	a cal 6-250ng.d
Sample Type	Calibration	Sample Name	a cal 6-250ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	45746	1716	26.6532	239.6697
Hydromorphone	Hydromorphone-D6	2.209	5066	1399	3.6218	251.2351
Amphetamine	Amphetamine-D11	4.361	650883	37	17538.1875	
Oxycodone	Oxycodone-D6	4.391	508699	83362	6.1023	227.3967
Codeine	Codeine-D6	4.713	11031	1804	6.1146	257.5869
Hydrocodone	Hydrocodone-D6	4.713	396986	84959	4.6727	255.2746
Norhydrocodone	Norhydrocodone-D3	4.738	23042	26335	0.8749	235.9445
Methamphetamine	Phentermine-D5	4.761	601333	137026	4.3885	240.8196
6-MAM	6-MAM-D6	4.947	18328	28060	0.6532	240.0625
Phentermine	Phentermine-D5	5.623	210082	137026	1.5332	252.5667
Dextrophan	Dextrophan-D3	6.141	294847	93470	3.1545	250.1223
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	423787	73044	5.8018	271.0149
Tramadol	Tramadol-13C-D3	6.276	3067998	634888	4.8323	248.6053
Doxylamine	Doxylamine-D5	6.620	2573981	518938	4.9601	254.5308
Meprobamate	Meprobamate-D7	6.951	278877	56075	4.9733	260.2646
Zolpidem	Zolpidem-D6	7.061	2506021	502160	4.9905	260.1451
Venlafaxine	Venlafaxine-D6	7.103	2186649	389133	5.6193	260.0502
Citalopram	Citalopram-D6	7.216	586348	107767	5.4409	244.5258
Dextromethorphan	Dextromethorphan-D3	7.246	83809	16872	4.9674	245.2456
Trazodone	Trazodone-D6	7.254	656207	122944	5.3375	244.9955
Diphenhydramine	Diphenhydramine-D3	7.270	765701	166730	4.5925	226.8660
Promethazine	Promethazine-D3	7.445	266244	58100	4.5825	249.7123
Clonazepam	Clonazepam-D4	7.481	241714	14721	16.4193	247.1288

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	100303	17610	5.6960	251.9471
Carisoprodol	Carisoprodol-D7	7.571	1122787	236016	4.7573	243.1437
Alprazolam	Alprazolam-D5	7.624	929358	145532	6.3859	243.4875
Lorazepam	Alprazolam-D5	7.601	100932	145532	0.6935	238.4381



ISP FORENSICS - Cd'A Instrument # 62340

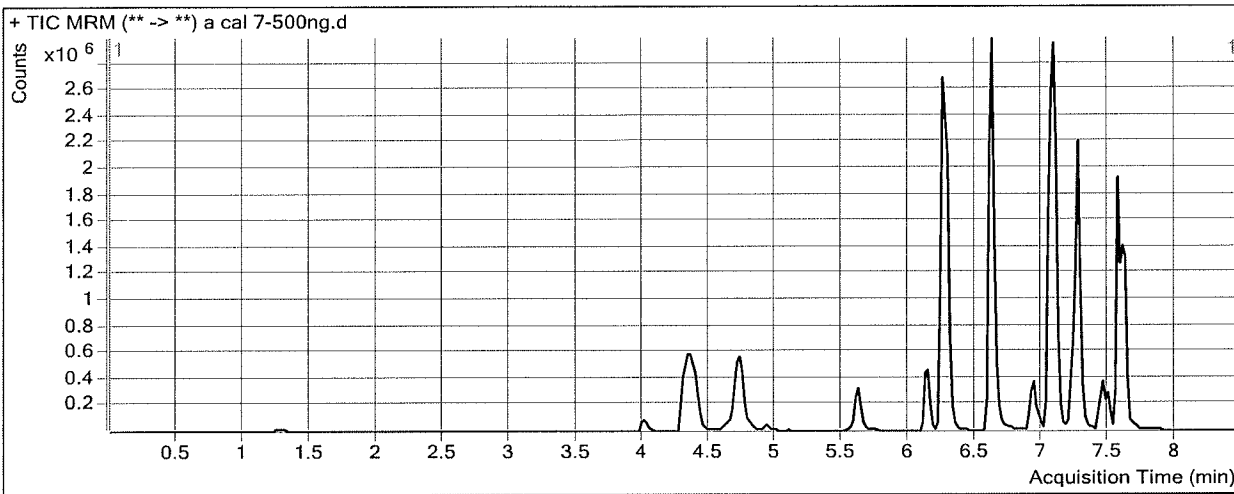
Multi-Drug Confirmatory Analysis Report

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Analysis Time	10/12/2017 11:54 AM	Analyst Name	anord
Report Time	10/12/2017 1:45 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 11:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 18:14	Data File	a cal 7-500ng.d
Sample Type	Calibration	Sample Name	a cal 7-500ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram

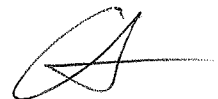


Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	93394	1801	51.8653	465.7655
Hydromorphone	Hydromorphone-D6	2.209	7068	1585	4.4586	492.5897
Oxycodone	Oxycodone-D6	4.391	1121093	82374	13.6098	507.1617
Codeine	Codeine-D6	4.693	21812	1787	12.2041	515.3279
Hydrocodone	Hydrocodone-D6	4.693	755117	81581	9.2561	506.6719
Norhydrocodone	Norhydrocodone-D3	4.738	47388	22944	2.0654	556.4776
Methamphetamine	Phentermine-D5	4.741	1308267	142414	9.1864	506.8300
6-MAM	6-MAM-D6	4.927	35900	26547	1.3523	497.6428
Phentermine	Phentermine-D5	5.623	415478	142414	2.9174	480.7932
Dextroprphan	Dextroprphan-D3	6.121	556983	88348	6.3044	499.2406
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	804742	73117	11.0062	515.5067
Tramadol	Tramadol-13C-D3	6.256	6010320	617919	9.7267	500.6764
Doxylamine	Doxylamine-D5	6.620	5387946	543027	9.9221	509.5928
Meprobamate	Meprobamate-D7	6.951	544393	57527	9.4632	494.9770
Zolpidem	Zolpidem-D6	7.061	4991314	502258	9.9377	518.3812
Venlafaxine	Venlafaxine-D6	7.103	4293529	391685	10.9617	507.6749
Citalopram	Citalopram-D6	7.216	1142736	103763	11.0129	494.5557
Dextromethorphan	Dextromethorphan-D3	7.246	167512	15457	10.8371	534.3669
Trazodone	Trazodone-D6	7.254	1599256	141286	11.3193	519.4977
Diphenhydramine	Diphenhydramine-D3	7.270	1598483	148450	10.7678	531.5044
Promethazine	Promethazine-D3	7.445	584496	55386	10.5531	574.6539
Clonazepam	Clonazepam-D4	7.481	445772	12815	34.7862	524.5307
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	193105	17933	10.7682	475.3198

ISP FORENSICS - Cd'A Instrument # 62340 *a cal 7*
Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Carisoprodol	Carisoprodol-D7	7.571	1918660	190286	10.0830	515.0436
Alprazolam	Alprazolam-D5	7.624	1636461	123602	13.2397	504.4027
Lorazepam	Alprazolam-D5	7.601	190544	123602	1.5416	529.5466



ISP FORENSICS - Cd'A Instrument # 62340

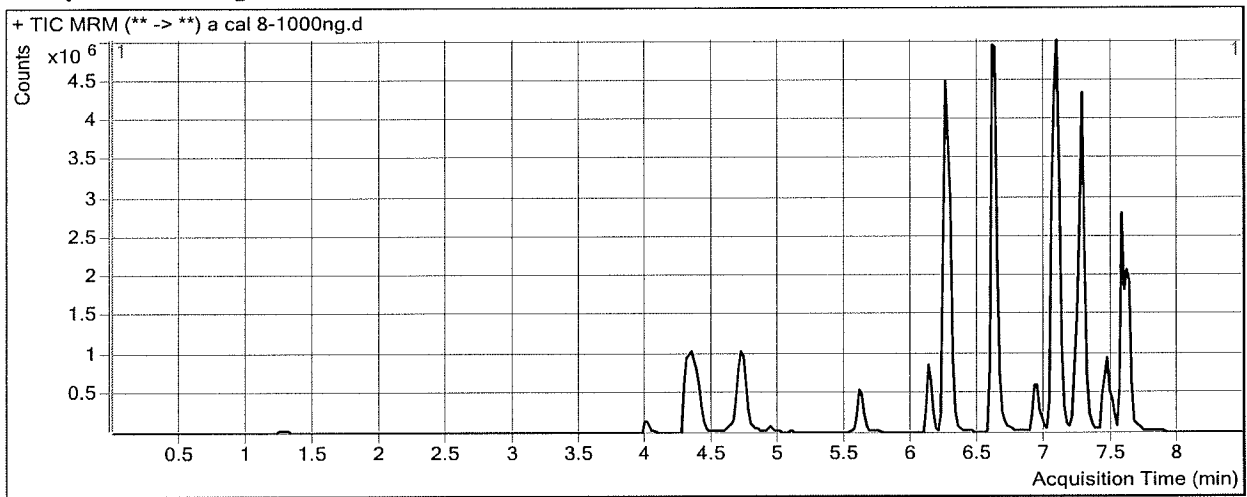
Multi-Drug Confirmatory Analysis Report

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Analysis Time 10/12/2017 11:54 AM **Analyst Name** anord
Report Time 10/12/2017 1:45 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 11:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 18:39 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	166266	1423	116.8697	1048.7082
Hydromorphone	Hydromorphone-D6	2.209	11946	1911	6.2521	1009.8804
Oxycodone	Oxycodone-D6	4.371	2210262	73791	29.9529	1116.1772
Codeine	Codeine-D6	4.693	37721	1638	23.0317	973.6119
Hydrocodone	Hydrocodone-D6	4.693	1264055	70733	17.8707	979.1814
Norhydrocodone	Norhydrocodone-D3	4.718	77037	18516	4.1606	1120.6428
Methamphetamine	Phentermine-D5	4.741	2558366	137950	18.5456	1025.7278
6-MAM	6-MAM-D6	4.927	66190	24006	2.7572	1015.2571
Phentermine	Phentermine-D5	5.603	750768	137950	5.4423	897.0844
Dextroprphan	Dextroprphan-D3	6.121	976035	76677	12.7292	1007.3521
7-aminoclonazepam	7-Aminoclonazepam-D4	6.251	1315521	64961	20.2511	949.8180
Tramadol	Tramadol-13C-D3	6.256	10541641	542662	19.4258	1000.2012
Doxylamine	Doxylamine-D5	6.620	9843372	515939	19.0785	980.2682
Meprobamate	Meprobamate-D7	6.951	963695	50464	19.0969	998.5755
Zolpidem	Zolpidem-D6	7.061	8273456	446947	18.5111	965.8883
Venlafaxine	Venlafaxine-D6	7.083	7386158	349802	21.1153	978.3041
Citalopram	Citalopram-D6	7.216	2344648	104294	22.4811	1009.1580
Dextromethorphan	Dextromethorphan-D3	7.246	359909	17584	20.4678	1008.7384
Trazodone	Trazodone-D6	7.254	3413707	176439	19.3479	887.9218
Diphenhydramine	Diphenhydramine-D3	7.270	3376365	171735	19.6603	970.1808
Promethazine	Promethazine-D3	7.445	1484024	97259	15.2585	830.7415
Clonazepam	Clonazepam-D4	7.481	640201	10039	63.7732	962.3303
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.539	333668	14279	23.3679	1030.1874

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
Carisoprodol	Carisoprodol-D7	7.571	2743456	140920	19.4682	994.1919
Alprazolam	Alprazolam-D5	7.624	2503802	92677	27.0165	1028.8654
Lorazepam	Alprazolam-D5	7.601	310268	92677	3.3478	1149.5752



ISP FORENSICS - Cd'A Instrument # 62340

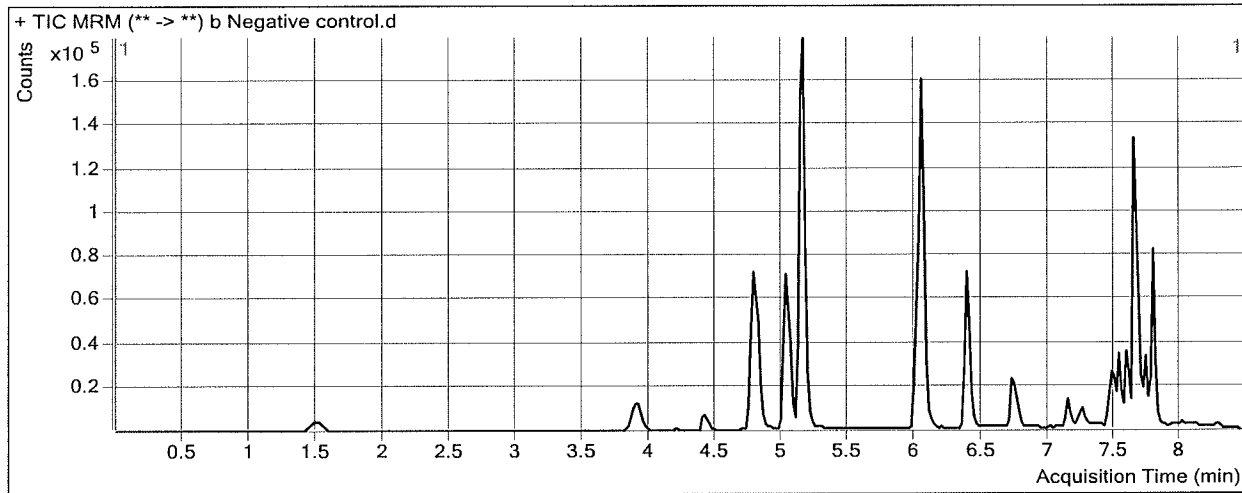
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Analysis Time 10/12/2017 1:10 PM **Analyst Name** ISP Tox
Report Time 10/12/2017 1:51 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 1:10 PM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 19:30 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

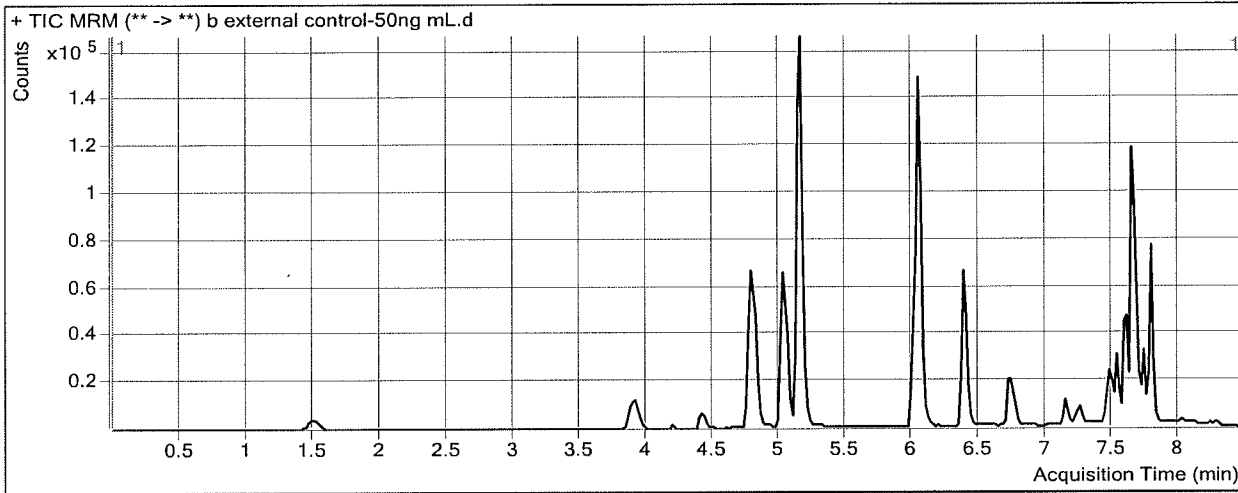
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Analysis Time 10/12/2017 1:10 PM **Analyst Name** ISP Tox
Report Time 10/12/2017 1:51 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 1:10 PM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 19:55 **Data File** b external control-50ng mL.d
Sample Type Sample **Sample Name** b external control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28: lot 21718 50 ng oxazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.608	45424	57265	0.7932	37.7091

ISP FORENSICS - Cd'A Instrument # 62340

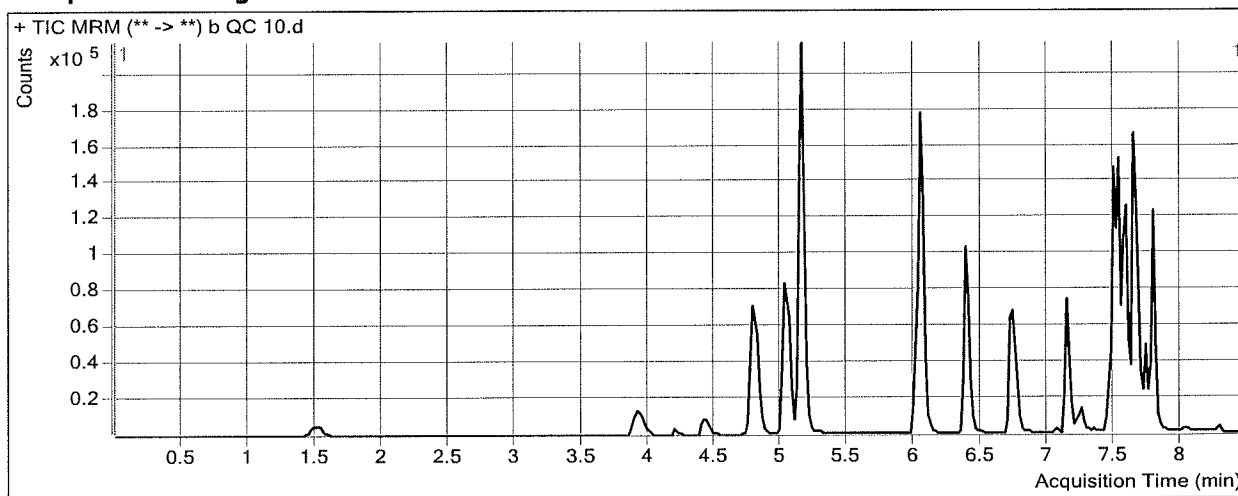
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Analysis Time 10/12/2017 1:10 PM **Analyst Name** ISP Tox
Report Time 10/12/2017 1:51 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 1:10 PM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 20:21 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram

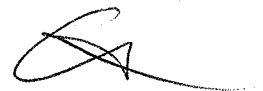


Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	6922	29212	0.2370	10.4297
Dihydrocodeine	Dihydrocodeine-D6	3.970	12103	66038	0.1833	9.6397
Noroxycodone	Noroxycodone-D3	4.460	6668	22	308.8563	22.5963 ✓
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	5009	241361	0.0208	0.9252
Naltrexol	Naltrexol-D3	5.048	49310	194455	0.2536	9.6328
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	114162	555584	0.2055	10.0383
Ketamine	Ketamine-D4	6.042	40550	168758	0.2403	9.9507
Norfentanyl	Norfentanyl-D5	6.065	5856	329542	0.0178	1.4261 ✗ outside curve range
alpha-PVP	alpha-PVP-d8	6.386	55023	233275	0.2359	10.0161
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	3656	210049	0.0174	0.9671
Norbuprenorphine	Norbuprenorphine-D3	7.052	110	5371	0.0205	1.1212
Fentanyl	Fentanyl-D5	7.160	3893	180086	0.0216	1.0362
EDDP	EDDP-D3	7.248	4751	24325	0.1953	10.4454
Sufentanil	Sufentanil-D5	7.497	2603	122402	0.0213	0.9186
Quetiapine	Quetiapine-D8	7.478	63351	79057	0.8013	10.4469
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	16361	73855	0.2215	10.2696
Methadone	Methadone-D9	7.522	33378	184615	0.1808	10.2341
Fluoxetine	Fluoxetine-D6	7.583	37653	213794	0.1761	8.4407
Oxazepam	Oxazepam-D5	7.608	12337	58140	0.2122	10.9217
Sertraline	Sertraline-D3	7.645	11412	44604	0.2559	12.3406
Temazepam	Temazepam-D5	7.667	52330	277087	0.1889	9.5652
Nordiazepam	Nordiazepam-D5	7.734	21579	67724	0.3186	9.4937
Diazepam	Diazepam-D5	7.790	36845	140845	0.2616	9.9629

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.836	1022	48257	0.0212	0.8133



ISP FORENSICS - Cd'A Instrument # 62340

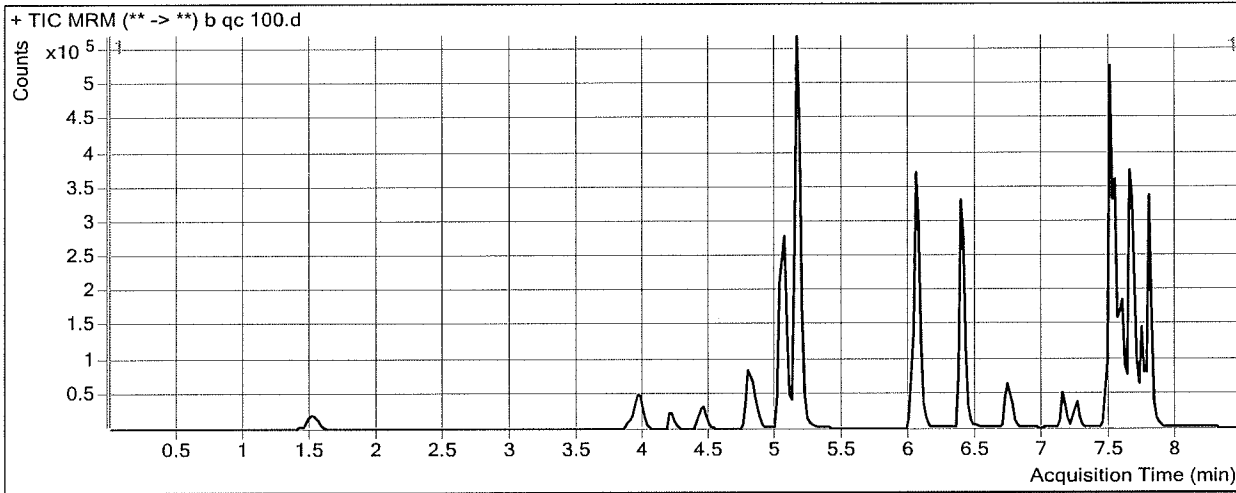
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin		
Analysis Time	10/12/2017 1:10 PM	Analyst Name	ISP Tox
Report Time	10/12/2017 1:51 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 1:10 PM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 23:31	Data File	b qc 100.d
Sample Type	QC	Sample Name	b qc 100
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	73066	30299	2.4115	98.9289
Dihydrocodeine	Dihydrocodeine-D6	3.970	128827	72419	1.7789	105.9926
Noroxycodone	Noroxycodone-D3	4.460	73620	47	1563.5126	305.0707
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	56651	257739	0.2198	9.6195
Naltrexol	Naltrexol-D3	5.048	513106	198722	2.5820	103.3987
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	1206766	583286	2.0689	100.8843
Ketamine	Ketamine-D4	6.042	437609	179572	2.4370	99.8215
Norfentanyl	Norfentanyl-D5	6.085	63903	336142	0.1901	9.2362
alpha-PVP	alpha-PVP-d8	6.386	574838	237133	2.4241	100.5530
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	27639	143945	0.1920	9.6458
Norbuprenorphine	Norbuprenorphine-D3	7.052	788	3807	0.2071	10.5833
Fentanyl	Fentanyl-D5	7.160	22810	99685	0.2288	9.8947
EDDP	EDDP-D3	7.248	54661	23880	2.2890	103.1155
Sufentanil	Sufentanil-D5	7.497	14544	63031	0.2307	10.3131
Quetiapine	Quetiapine-D8	7.478	591626	69269	8.5410	110.3188
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	103097	43176	2.3878	96.2924
Methadone	Methadone-D9	7.522	228033	125597	1.8156	101.1801
Fluoxetine	Fluoxetine-D6	7.583	249831	112686	2.2170	103.8213
Oxazepam	Oxazepam-D5	7.608	77444	36842	2.1021	98.0496
Sertraline	Sertraline-D3	7.645	63768	28583	2.2309	101.2150
Temazepam	Temazepam-D5	7.667	487021	235934	2.0642	103.2435
Nordiazepam	Nordiazepam-D5	7.734	171756	53591	3.2050	105.6485
Diazepam	Diazepam-D5	7.790	361953	83199	4.3505	166.5809

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

PI 6 QC100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.836	8608	33275	0.2587	9.6132



ISP FORENSICS - Cd'A Instrument # 62340

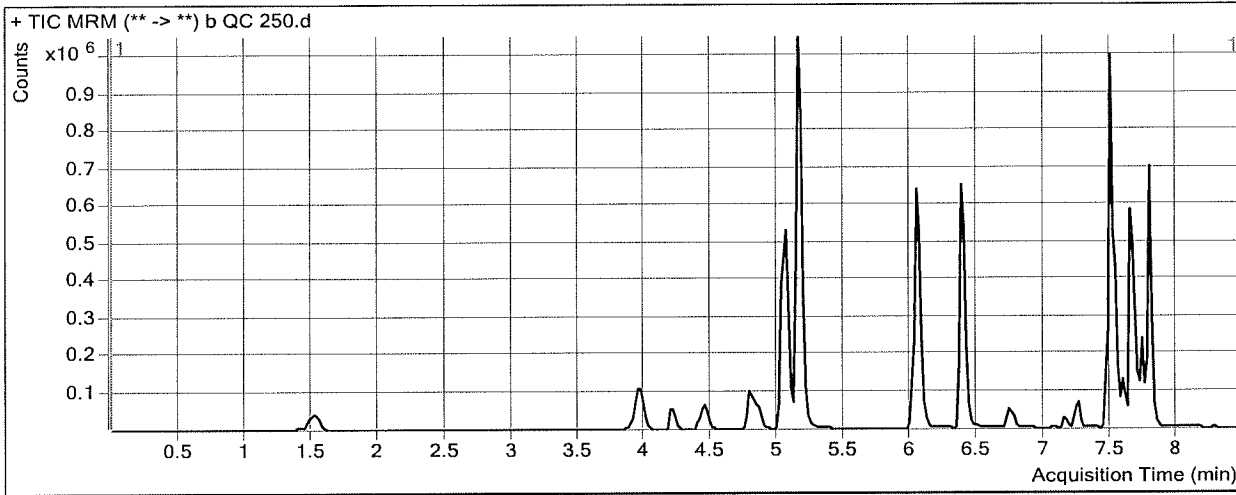
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin		
Analysis Time	10/12/2017 1:10 PM	Analyst Name	ISP Tox
Report Time	10/12/2017 1:51 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 1:10 PM	Batch State	Processed

Analysis Info

Acq Time	2017-10-12 02:28	Data File	b QC 250.d
Sample Type	QC	Sample Name	b QC 250
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	177036	29171	6.0689	247.7749
Dihydrocodeine	Dihydrocodeine-D6	3.970	298212	69819	4.2712	256.4912
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	140092	246519	0.5683	24.8407
Naltrexol	Naltrexol-D3	5.048	1132782	179228	6.3203	253.9395
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	2756370	554535	4.9706	242.3473
Ketamine	Ketamine-D4	6.042	1045317	173208	6.0351	247.0271
Norfentanyl	Norfentanyl-D5	6.085	156799	309483	0.5066	23.5814
alpha-PVP	alpha-PVP-d8	6.386	1311920	217493	6.0320	249.8269
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	42433	90084	0.4710	23.5147
Norbuprenorphine	Norbuprenorphine-D3	7.052	1129	2171	0.5200	26.4558
Fentanyl	Fentanyl-D5	7.160	21050	39180	0.5373	23.0818
EDDP	EDDP-D3	7.248	127159	22453	5.6633	252.4661
Sufentanil	Sufentanil-D5	7.477	10575	18822	0.5619	25.1631
Quetiapine	Quetiapine-D8	7.478	1348006	66424	20.2940	261.9798
Cyclobenzaprine	Cyclobenzaprine-D3	7.491	63041	10573	5.9626	238.2446
Methadone	Methadone-D9	7.522	290569	66994	4.3372	241.4623
Fluoxetine	Fluoxetine-D6	7.563	88507	15319	5.7776	270.2221
Oxazepam	Oxazepam-D5	7.588	143833	25382	5.6667	262.3895
Sertraline	Sertraline-D3	7.645	21633	4067	5.3190	240.1702
Temazepam	Temazepam-D5	7.646	978434	188403	5.1933	259.5484
Nordiazepam	Nordiazepam-D5	7.734	318843	40324	7.9070	262.2916
Diazepam	Diazepam-D5	7.790	800430	123202	6.4969	248.7963
Buprenorphine	Buprenorphine-D4	7.836	11020	16192	0.6806	25.2441

ISP FORENSICS - Cd'A Instrument # 62340

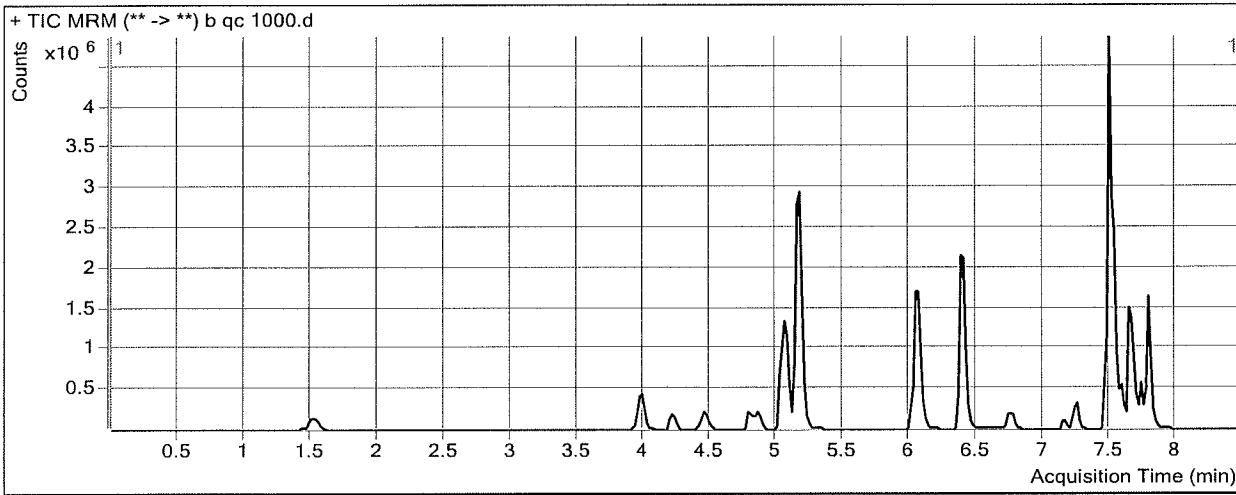
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin		
Analysis Time	10/12/2017 1:10 PM	Analyst Name	ISP Tox
Report Time	10/12/2017 1:51 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 1:10 PM	Batch State	Processed

Analysis Info

Acq Time	2017-10-12 05:50	Data File	b qc 1000.d
Sample Type	QC	Sample Name	b qc 1000
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-D2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	670526	27201	24.6505	1003.9968
Dihydrocodeine	Dihydrocodeine-D6	3.990	1078361	67301	16.0230	966.1261
Noroxycodone	Noroxycodone-D3	4.460	610309	165	3691.6310	784.1972 <i>Not calculated</i>
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	591333	252248	2.3443	102.4137
Naltrexol	Naltrexol-D3	5.048	3425706	146151	23.4395	943.3227
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.181	9887095	502488	19.6763	959.2796
Ketamine	Ketamine-D4	6.042	3806682	163836	23.2347	950.7033
Norfentanyl	Norfentanyl-D5	6.085	638042	284261	2.2446	102.3418
alpha-PVP	alpha-PVP-d8	6.406	5233808	229524	22.8028	943.7064
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.758	294274	149849	1.9638	97.7121
Norbuprenorphine	Norbuprenorphine-D3	7.052	3952	1844	2.1432	108.7752
Fentanyl	Fentanyl-D5	7.160	157671	69706	2.2620	96.8188
EDDP	EDDP-D3	7.248	666349	27738	24.0233	1065.1173
Sufentanil	Sufentanil-D5	7.477	81941	34415	2.3810	106.7471
Quetiapine	Quetiapine-D8	7.478	6998560	64103	109.1768	1408.9199 <i>outside curve range A</i>
Cyclobenzaprine	Cyclobenzaprine-D3	7.491	468740	18671	25.1057	998.4071
Methadone	Methadone-D9	7.522	1793517	103672	17.2999	962.5935
Fluoxetine	Fluoxetine-D6	7.563	663968	29798	22.2823	1041.5492
Oxazepam	Oxazepam-D5	7.588	455746	19379	23.5174	1085.3530
Sertraline	Sertraline-D3	7.645	178420	7800	22.8748	1030.1393
Temazepam	Temazepam-D5	7.646	2827244	135413	20.8787	1043.0649
Nordiazepam	Nordiazepam-D5	7.734	788033	25676	30.6914	1021.3290
Diazepam	Diazepam-D5	7.790	2296384	89249	25.7300	985.4954

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

b QC1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.836	54087	17898	3.0220	111.9925

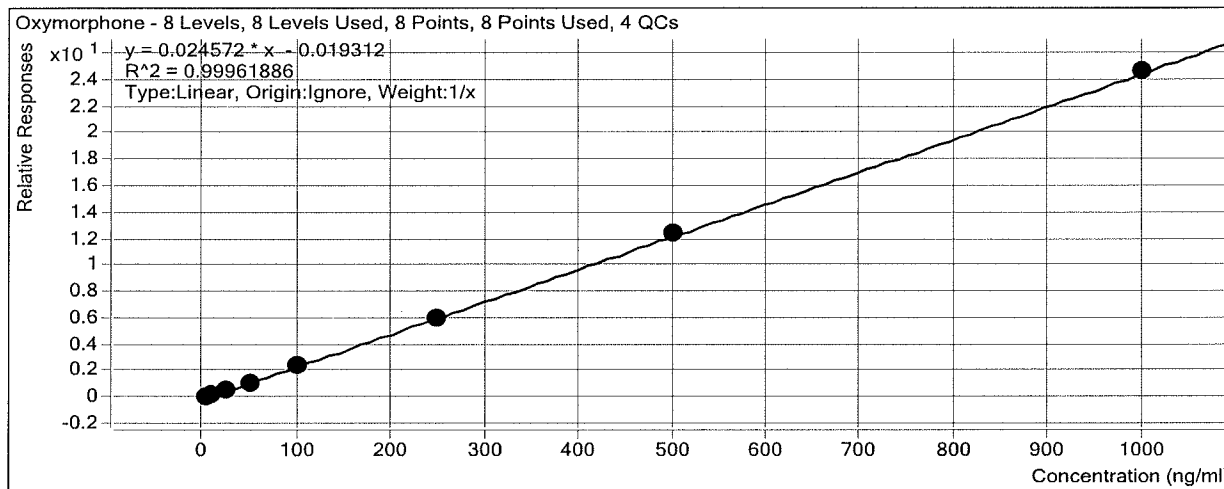


ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



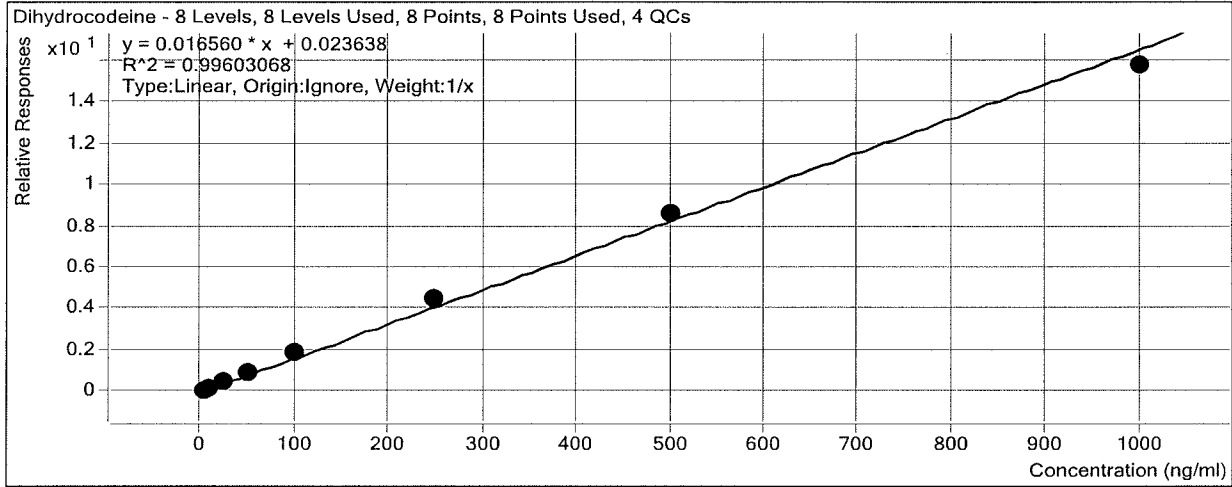
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	93.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b qc 100	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.2	97.3
b QC 250	6	<input type="checkbox"/>	250	247.8	99.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.9	102.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.5	100.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1004.0	100.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



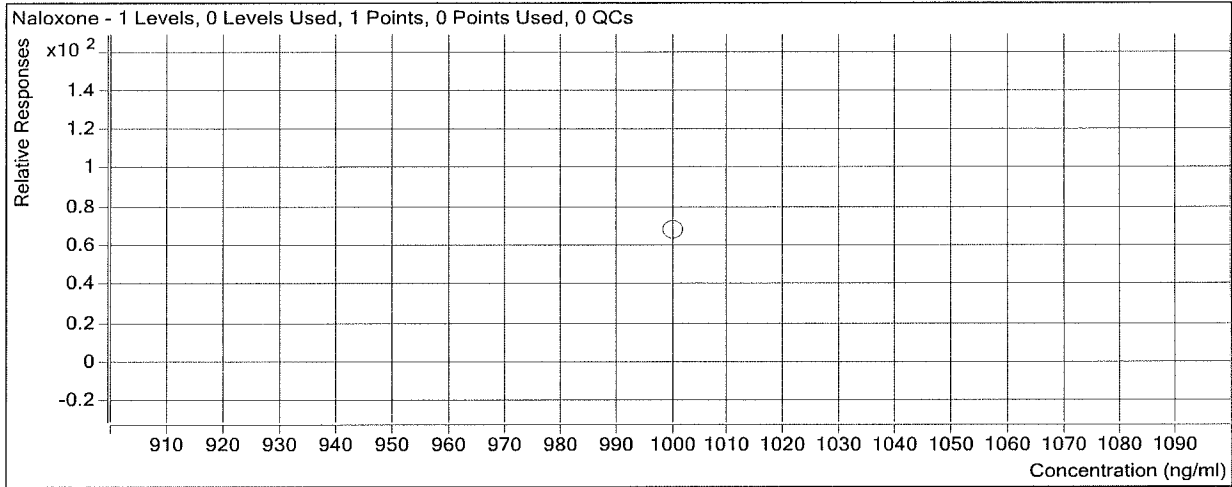
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b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.1	81.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	89.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.5	111.5
b qc 100	5	<input checked="" type="checkbox"/>	100	106.0	106.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.3	108.1
b QC 250	6	<input checked="" type="checkbox"/>	250	256.5	102.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.8	104.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	946.9	94.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	966.1	96.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	0.0	0.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	0.0	0.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
b cal 6-250ng	6	<input type="checkbox"/>	250	0.0	0.0
b cal 6-250ng	6	<input type="checkbox"/>	250	0.0	0.0
b cal 7-500ng	7	<input type="checkbox"/>	500	0.0	0.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	0.0	0.0
b cal 8-1000ng	8	<input type="checkbox"/>	1000	0.0	0.0

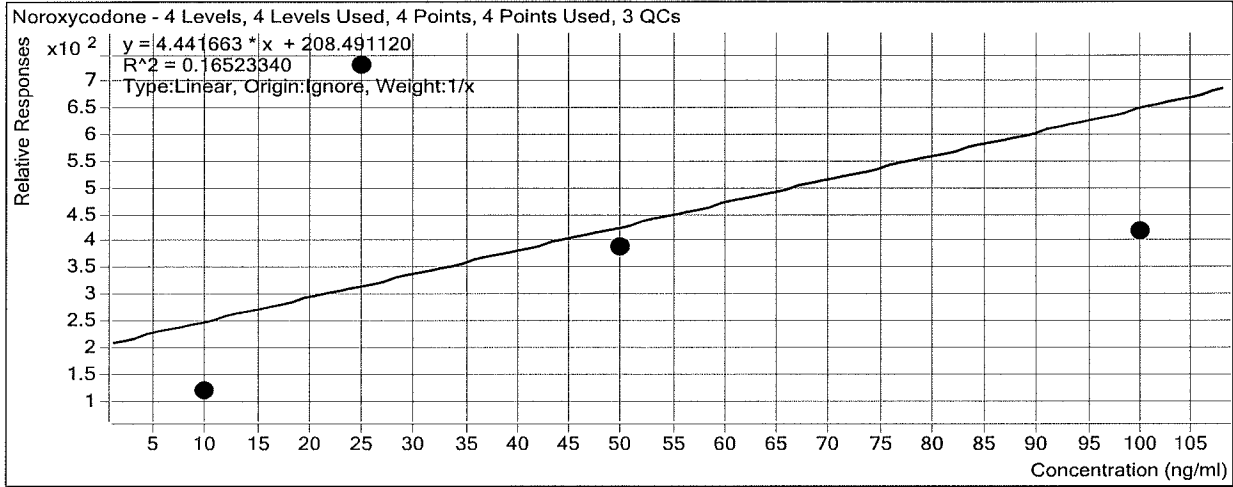
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ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b QC 10	2	<input checked="" type="checkbox"/>	10	22.6	226.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	117.3	469.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	40.4	80.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	47.0	47.0
b qc 100	5	<input checked="" type="checkbox"/>	100	305.1	305.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	0.0	0.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	0.0	0.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	0.0	0.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	0.0	0.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	784.2	78.4

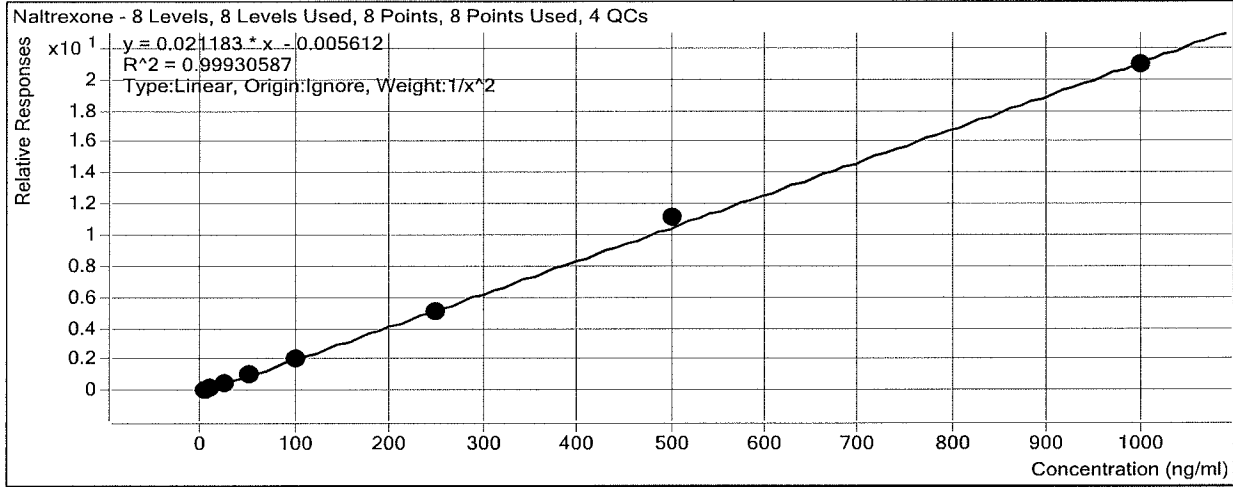
Not evaluated

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	0.0	0.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b QC 10	2	<input checked="" type="checkbox"/>	10	0.0	0.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	0.0	0.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	0.0	0.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	0.0	0.0
b qc 100	5	<input checked="" type="checkbox"/>	100	0.0	0.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	0.0	0.0
b QC 250	6	<input checked="" type="checkbox"/>	250	0.0	0.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	0.0	0.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	0.0	0.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	0.0	0.0

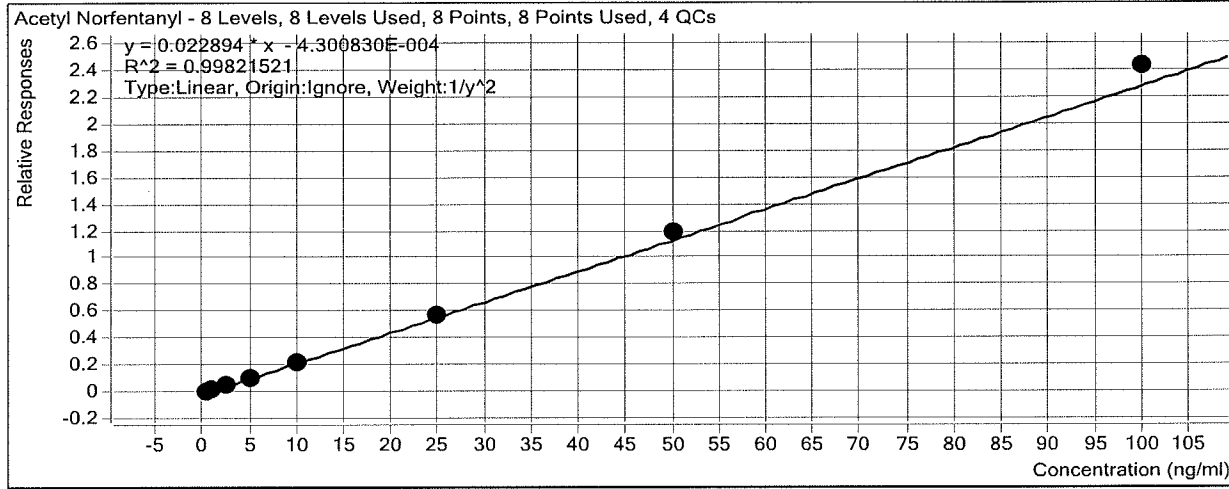
Not evaluated

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



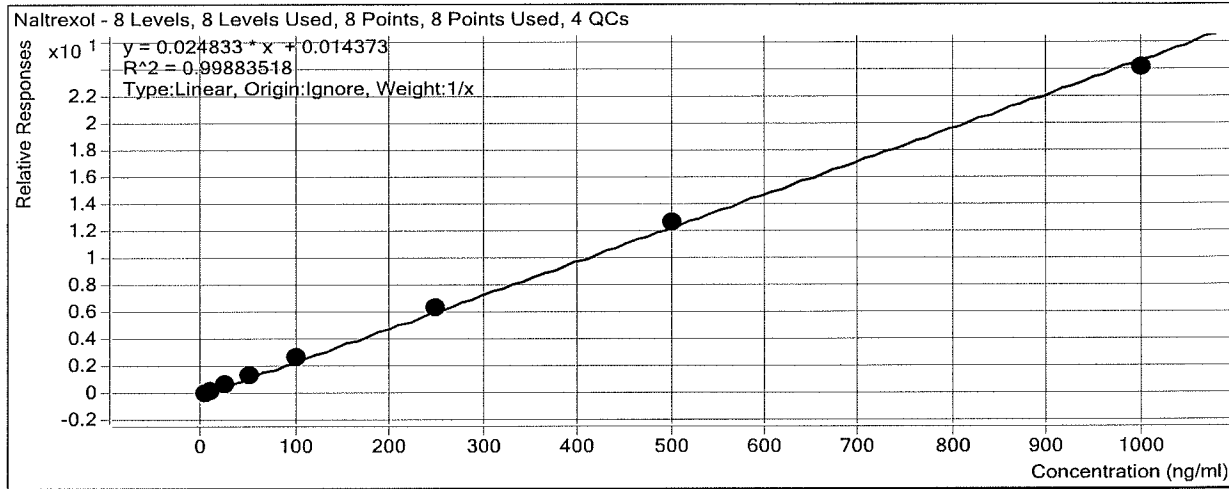
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	102.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	96.5
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	92.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	97.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.0	100.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	96.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.7	99.0
b QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.1	104.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	105.8	105.8
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.4	102.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



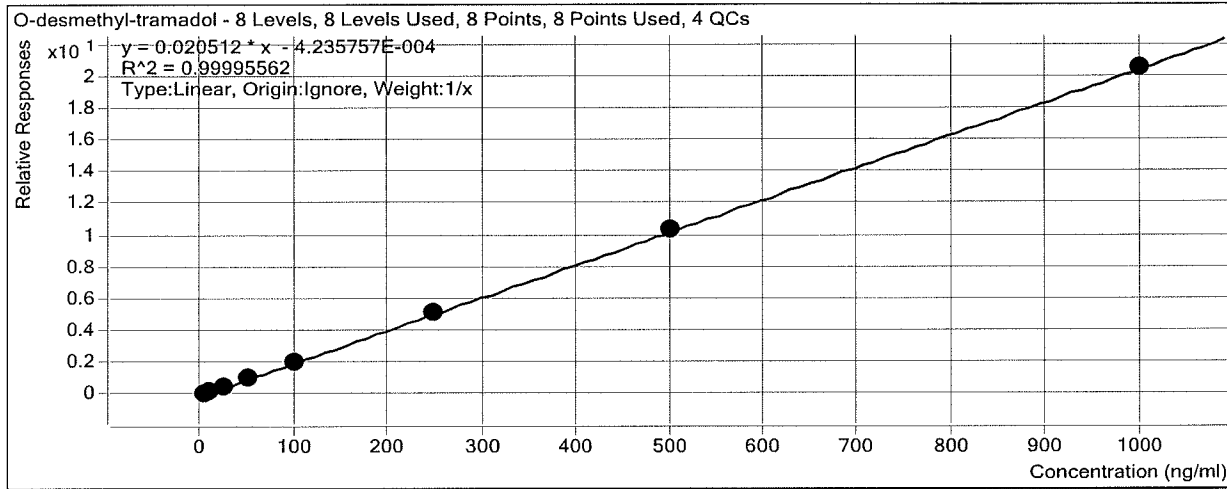
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.3	85.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.8	107.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.4	106.4
b qc 100	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.3	102.1
b QC 250	6	<input checked="" type="checkbox"/>	250	253.9	101.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.1	102.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	972.0	97.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	943.3	94.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



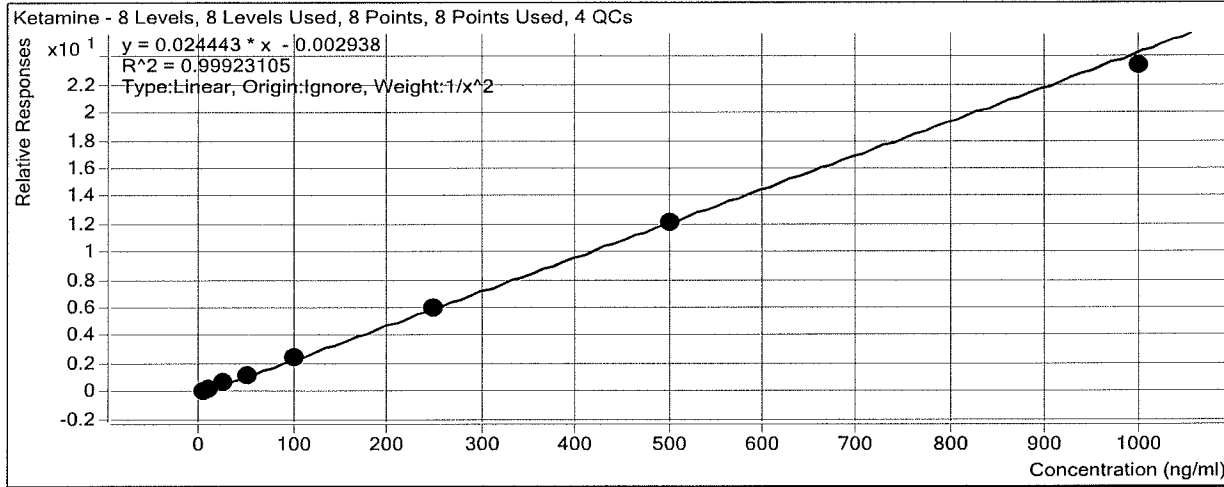
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.1	98.8
b QC 250	6	<input checked="" type="checkbox"/>	250	242.3	96.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.5	100.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.0	99.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	959.3	95.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



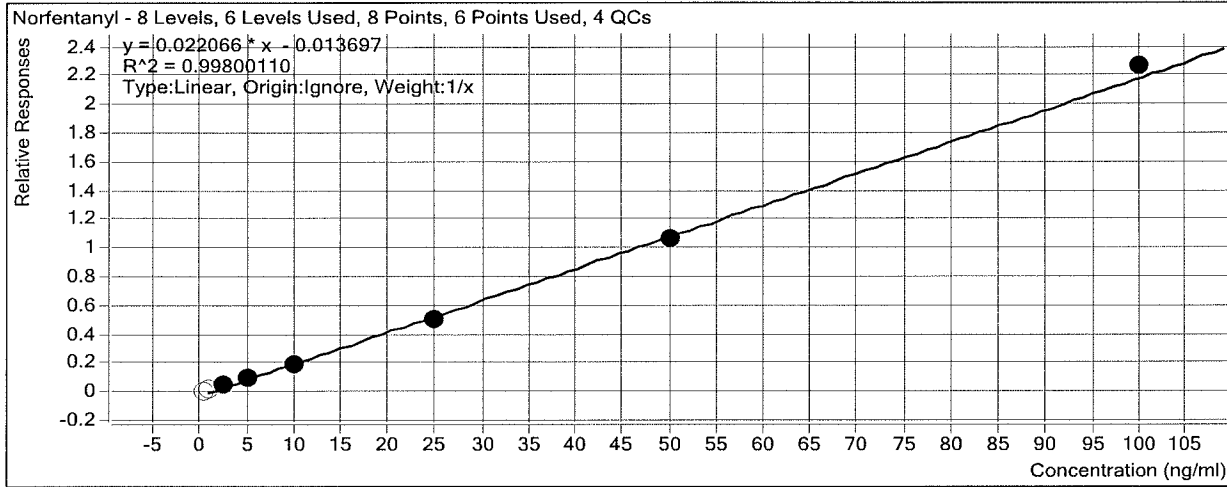
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	99.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b qc 100	5	<input checked="" type="checkbox"/>	100	99.8	99.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.7	99.5
b QC 250	6	<input checked="" type="checkbox"/>	250	247.0	98.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.3	99.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	954.9	95.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	950.7	95.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



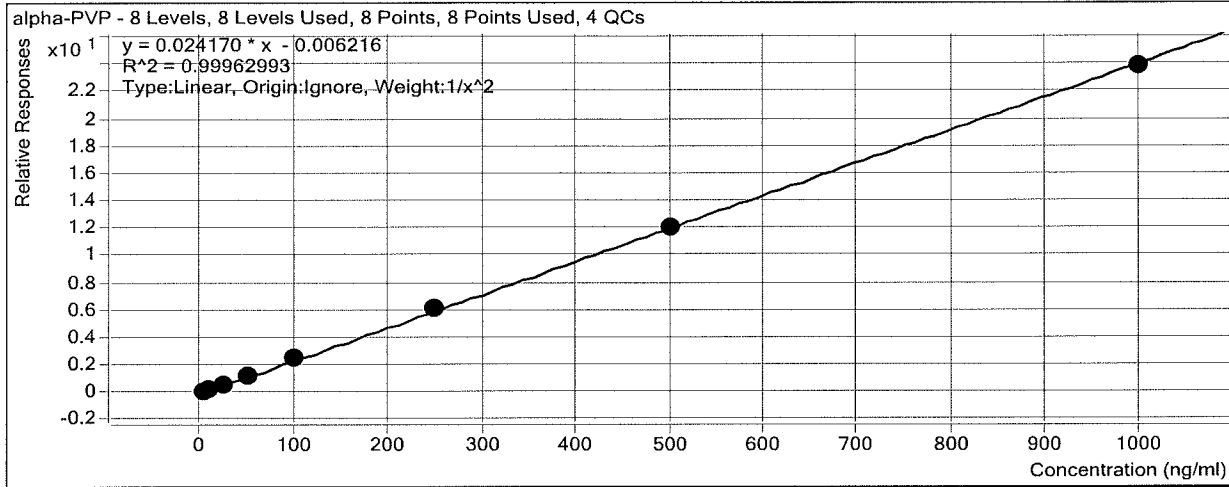
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.0	203.4
b cal 2-10ng	2	<input type="checkbox"/>	1	1.5	146.1
b QC 10	2	<input checked="" type="checkbox"/>	1	1.4	142.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.8	112.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	94.6
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	92.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.5	94.0
b QC 250	6	<input checked="" type="checkbox"/>	25	23.6	94.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.7	97.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.1	103.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	102.3	102.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



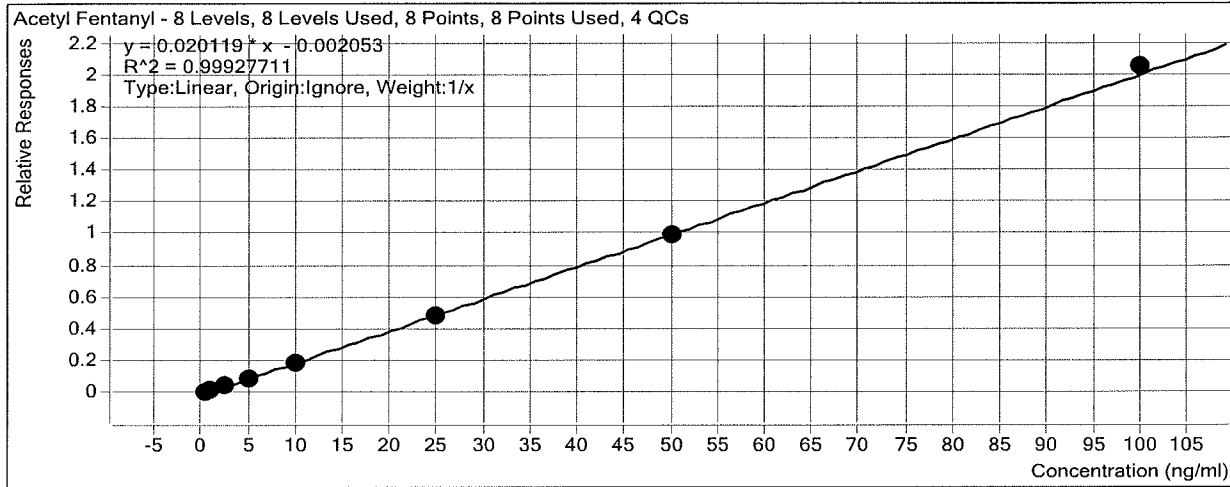
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	97.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.0	102.0
b qc 100	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.8	100.3
b QC 250	6	<input checked="" type="checkbox"/>	250	249.8	99.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	496.0	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.6	98.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	943.7	94.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



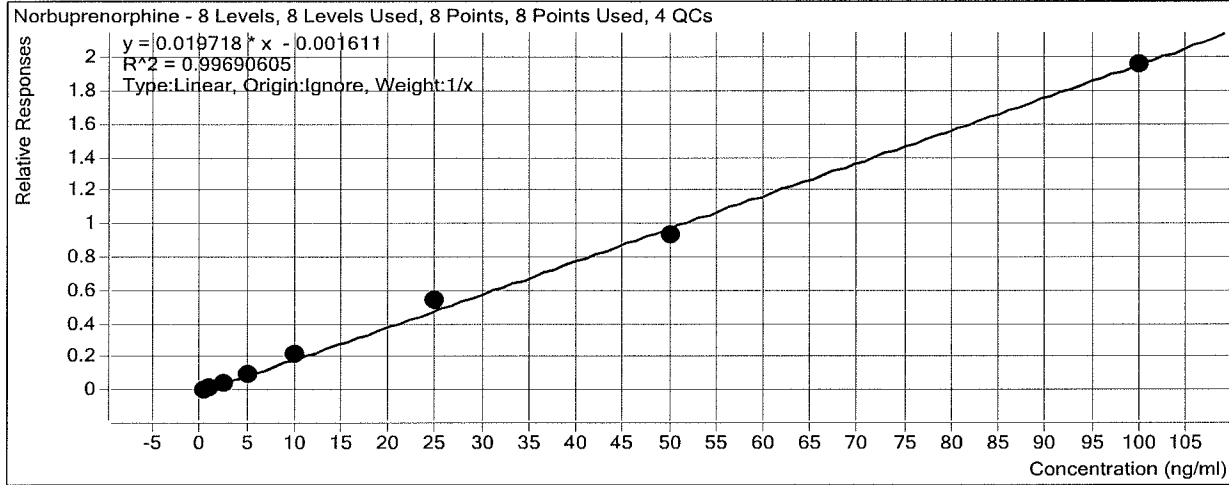
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	107.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	104.5
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.3	93.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	96.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.2	96.8
b QC 250	6	<input checked="" type="checkbox"/>	25	23.5	94.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.8	99.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.8	101.8
b qc 1000	8	<input checked="" type="checkbox"/>	100	97.7	97.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



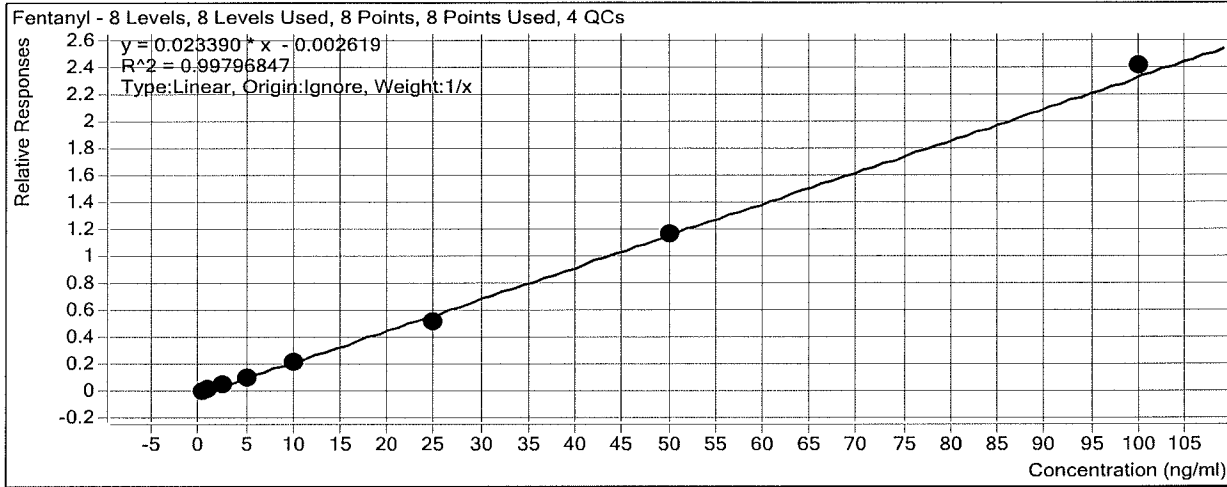
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	101.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	107.0
b QC 10	2	<input type="checkbox"/>	1	1.1	112.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.0	78.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	97.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	11.1	110.8
b qc 100	5	<input type="checkbox"/>	10	10.6	105.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	27.3	109.3
b QC 250	6	<input checked="" type="checkbox"/>	25	26.5	105.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.8	95.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	99.3	99.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	108.8	108.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



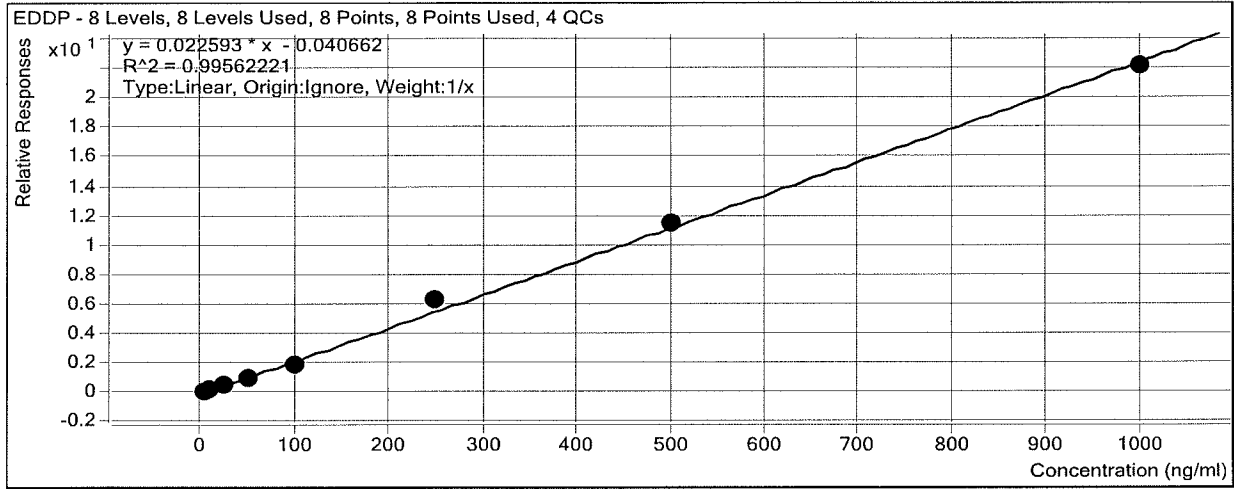
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	111.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.6
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	103.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.6
b qc 100	5	<input checked="" type="checkbox"/>	10	9.9	98.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.5	90.1
b QC 250	6	<input checked="" type="checkbox"/>	25	23.1	92.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.1	100.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.9	102.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	96.8	96.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	115.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.5	89.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.3	92.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	84.2	84.2
b qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	282.0	112.8
b QC 250	6	<input checked="" type="checkbox"/>	250	252.5	101.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.0	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.7	98.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1065.1	106.5

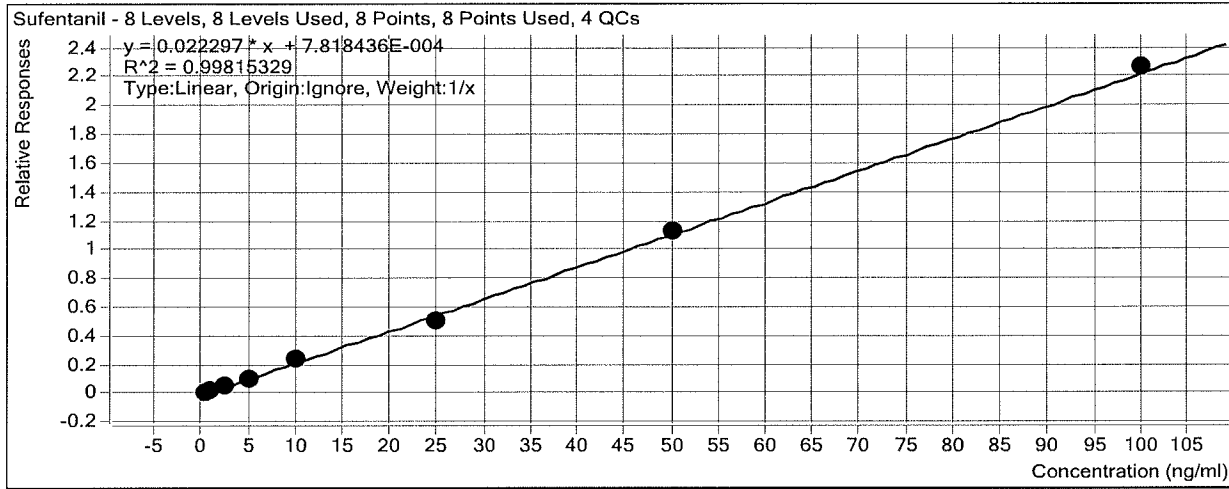
ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM

Analyst Name ISP TOX

Target Compound Sufentanil
Internal Standard Sufentanil-D5



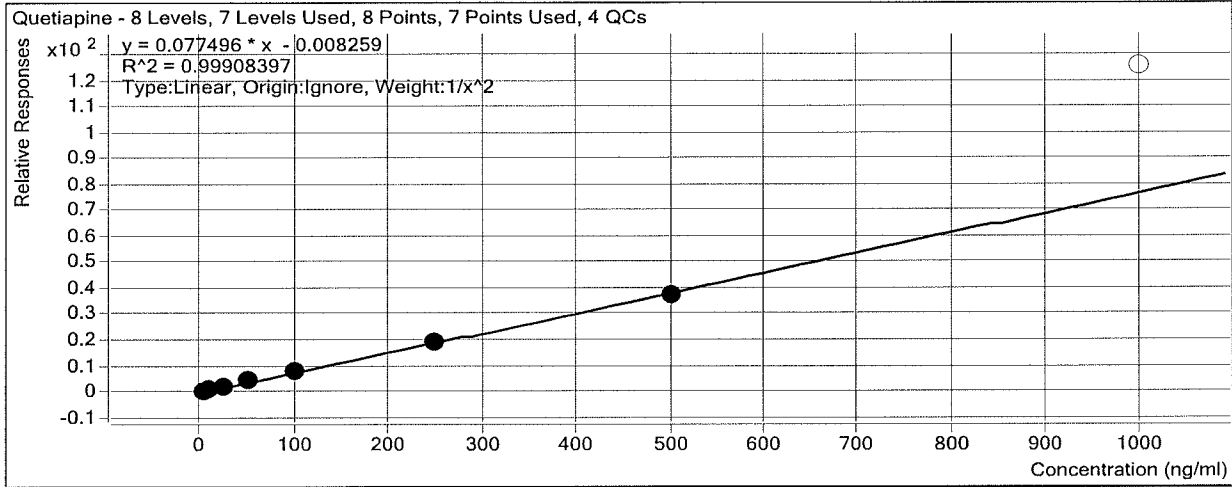
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	120.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	92.7
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	91.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.5	89.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.5	105.5
b qc 100	5	<input checked="" type="checkbox"/>	10	10.3	103.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	22.9	91.5
b QC 250	6	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.7	101.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.5	101.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	106.7	106.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



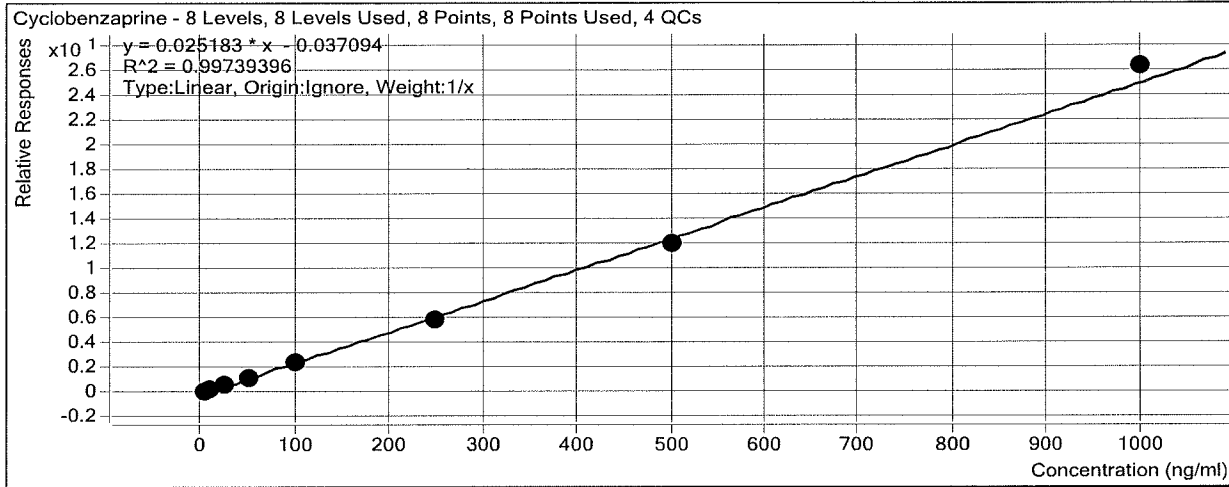
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
b qc 100	5	<input checked="" type="checkbox"/>	100	110.3	110.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
b QC 250	6	<input checked="" type="checkbox"/>	250	262.0	104.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.1	95.8
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1621.3	162.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1408.9	140.9

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



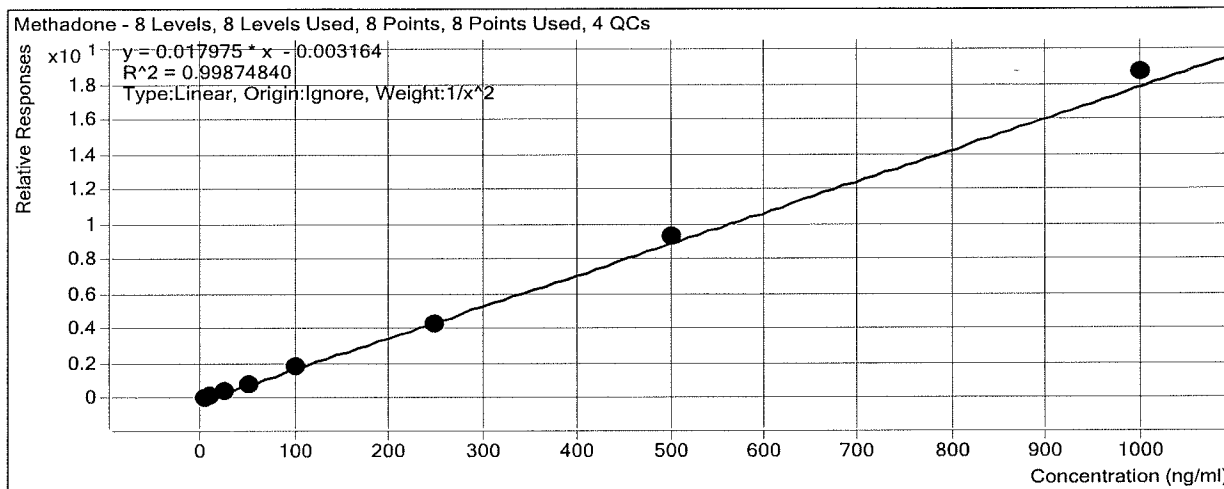
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 100	5	<input checked="" type="checkbox"/>	100	96.3	96.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	232.9	93.1
b QC 250	6	<input checked="" type="checkbox"/>	250	238.2	95.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	475.2	95.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1045.2	104.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	998.4	99.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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

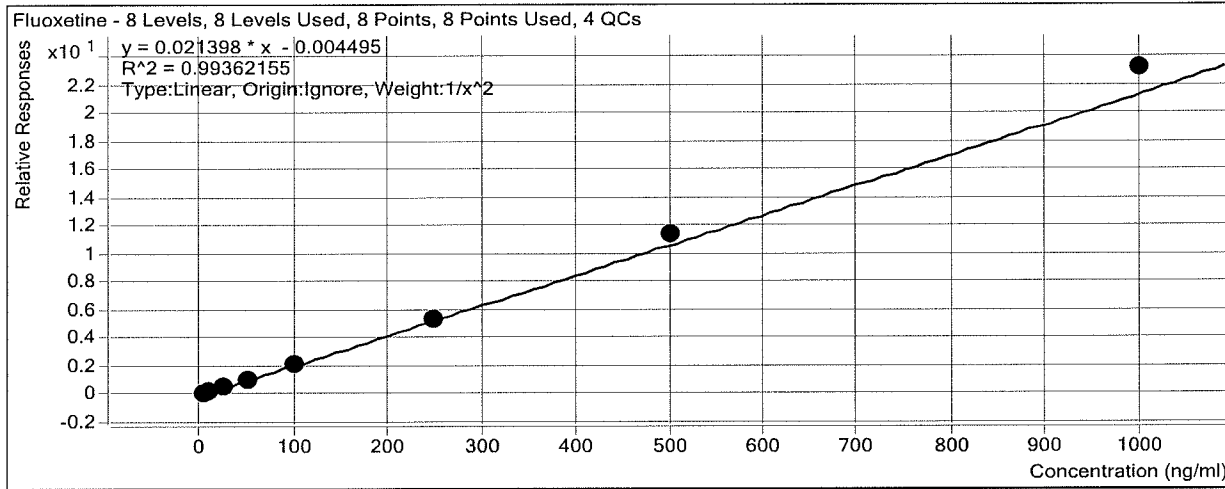


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b qc 100	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	241.1	96.4
b QC 250	6	<input checked="" type="checkbox"/>	250	241.5	96.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.5	103.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1040.3	104.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	962.6	96.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



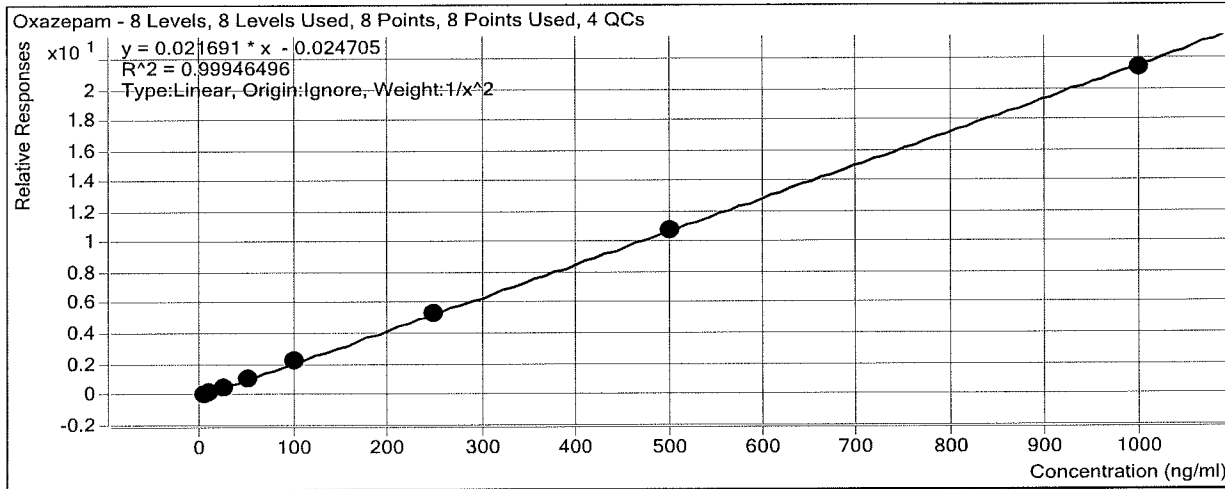
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b QC 10	2	<input checked="" type="checkbox"/>	10	8.4	84.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.5	85.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.4	100.4
b qc 100	5	<input checked="" type="checkbox"/>	100	103.8	103.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b QC 250	6	<input checked="" type="checkbox"/>	250	270.2	108.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	535.4	107.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1081.6	108.2
b qc 1000	8	<input type="checkbox"/>	1000	1041.5	104.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5

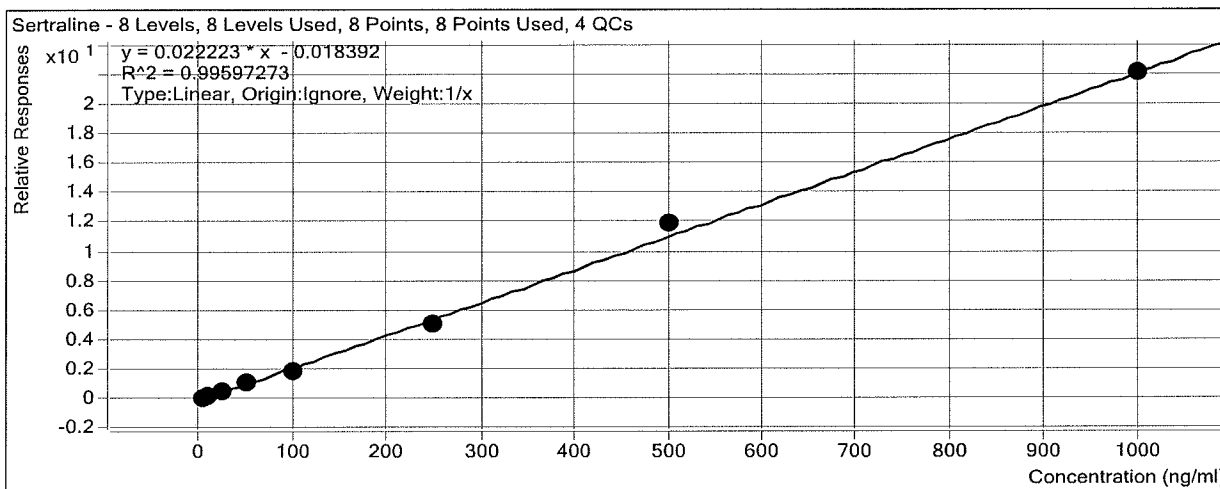


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.6	104.6
b qc 100	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.7	98.3
b QC 250	6	<input checked="" type="checkbox"/>	250	262.4	105.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.9	99.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.4	98.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1085.4	108.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



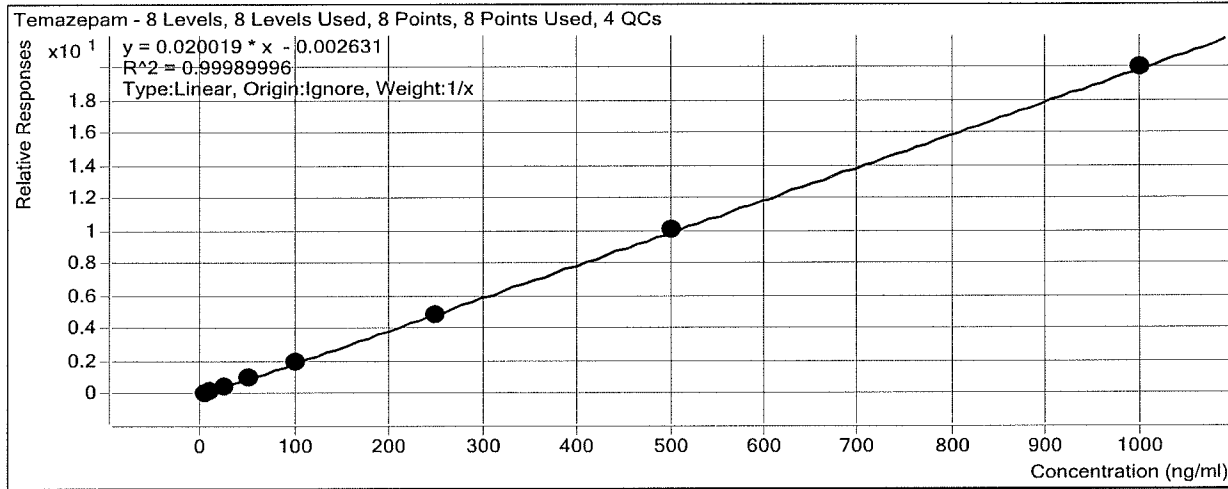
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.1	111.2
b QC 10	2	<input checked="" type="checkbox"/>	10	12.3	123.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	86.9	86.9
b qc 100	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	226.9	90.8
b QC 250	6	<input checked="" type="checkbox"/>	250	240.2	96.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	538.7	107.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.8	99.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1030.1	103.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



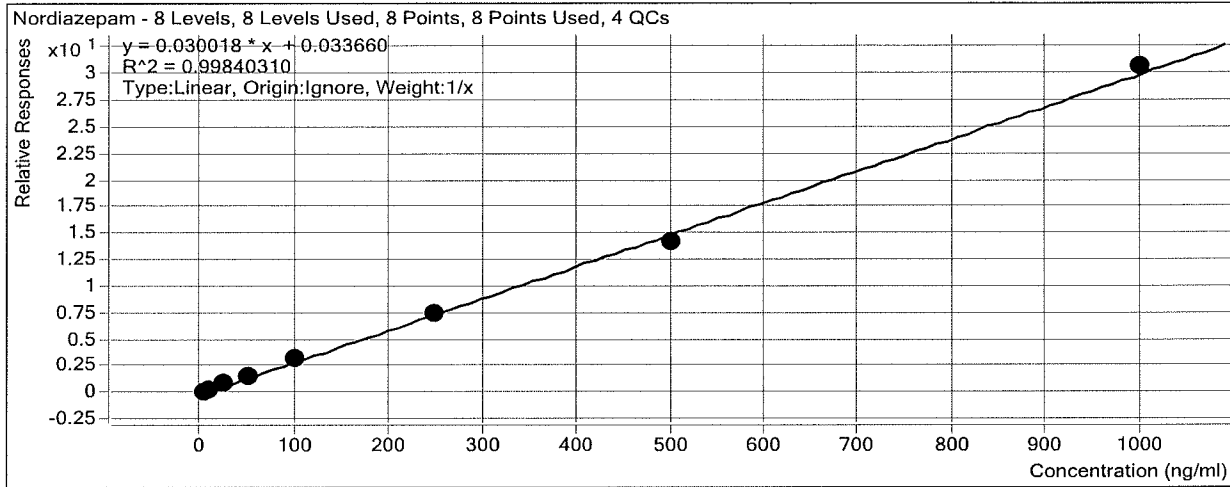
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b qc 100	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.6	98.3
b QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.8	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.6	99.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1043.1	104.3

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



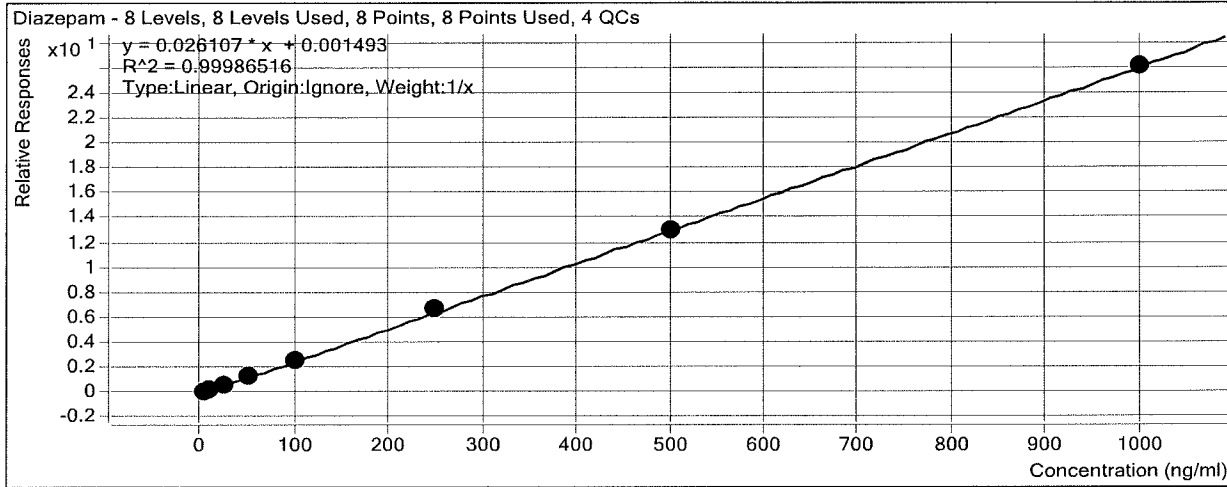
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.1	82.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.1	108.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b qc 100	5	<input checked="" type="checkbox"/>	100	105.6	105.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.6	100.2
b QC 250	6	<input checked="" type="checkbox"/>	250	262.3	104.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	471.7	94.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.6	101.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1021.3	102.1

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



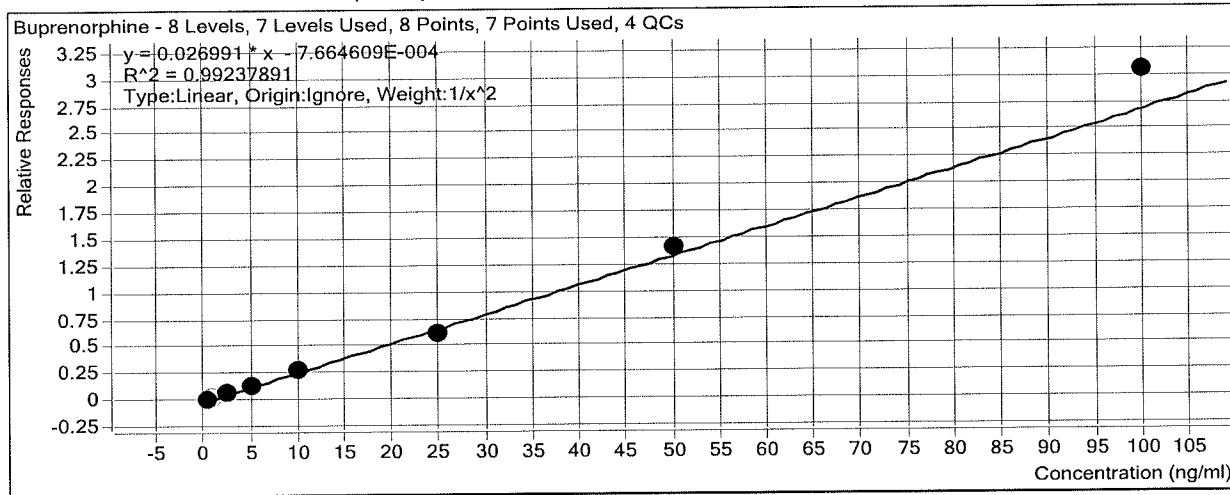
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.6	101.6
b qc 100	5	<input checked="" type="checkbox"/>	100	166.6	166.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.7	102.3
b QC 250	6	<input checked="" type="checkbox"/>	250	248.8	99.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.9	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.4	99.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	985.5	98.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin

Last Calib Update 10/12/2017 1:10 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	102.6
b cal 2-10ng	2	<input type="checkbox"/>	1	0.8	79.3
b QC 10	2	<input checked="" type="checkbox"/>	1	0.8	81.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	87.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	100.6
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.2	92.7
b QC 250	6	<input checked="" type="checkbox"/>	25	25.2	101.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.2	104.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	112.9	112.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	112.0	112.0

Dropped cal 2 due to ratio being out of range. *A*

ISP FORENSICS - Cd'A Instrument # 62340

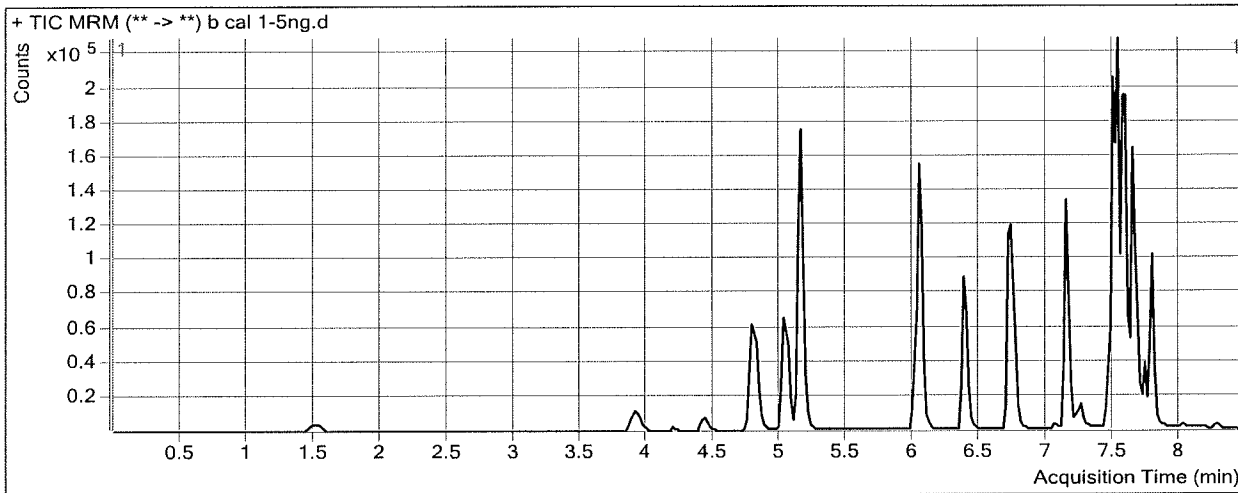
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin		
Analysis Time	10/12/2017 1:10 PM	Analyst Name	ISP Tox
Report Time	10/12/2017 1:51 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 1:10 PM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 15:54	Data File	b cal 1-5ng.d
Sample Type	Calibration	Sample Name	b cal 1-5ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.508	2859	24295	0.1177	5.5746
Dihydrocodeine	Dihydrocodeine-D6	3.970	5383	59256	0.0909	4.0586
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	2500	220574	0.0113	0.5139
Naltrexol	Naltrexol-D3	5.048	20647	171531	0.1204	4.2685
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	49133	492653	0.0997	4.8828
Ketamine	Ketamine-D4	6.042	17575	148953	0.1180	4.9475
Norfentanyl	Norfentanyl-D5	6.065	2740	313184	0.0087	1.0172
alpha-PVP	alpha-PVP-d8	6.386	26722	233261	0.1146	4.9969
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	3281	373417	0.0088	0.5388
Norbuprenorphine	Norbuprenorphine-D3	7.073	70	8407	0.0083	0.5051
Fentanyl	Fentanyl-D5	7.160	3451	330584	0.0104	0.5583
EDDP	EDDP-D3	7.248	2517	28058	0.0897	5.7701
Sufentanil	Sufentanil-D5	7.477	3161	222444	0.0142	0.6022
Quetiapine	Quetiapine-D8	7.478	41054	109827	0.3738	4.9302
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	14726	142324	0.1035	5.5816
Methadone	Methadone-D9	7.522	28297	325252	0.0870	5.0161
Fluoxetine	Fluoxetine-D6	7.583	44582	423837	0.1052	5.1258
Oxazepam	Oxazepam-D5	7.608	4693	55730	0.0842	5.0216
Sertraline	Sertraline-D3	7.645	10044	109458	0.0918	4.9568
Temazepam	Temazepam-D5	7.667	22661	234038	0.0968	4.9682
Nordiazepam	Nordiazepam-D5	7.734	9545	60674	0.1573	4.1193
Diazepam	Diazepam-D5	7.790	15021	119957	0.1252	4.7392
Buprenorphine	Buprenorphine-D4	7.836	1080	82612	0.0131	0.5128

ISP FORENSICS - Cd'A Instrument # 62340

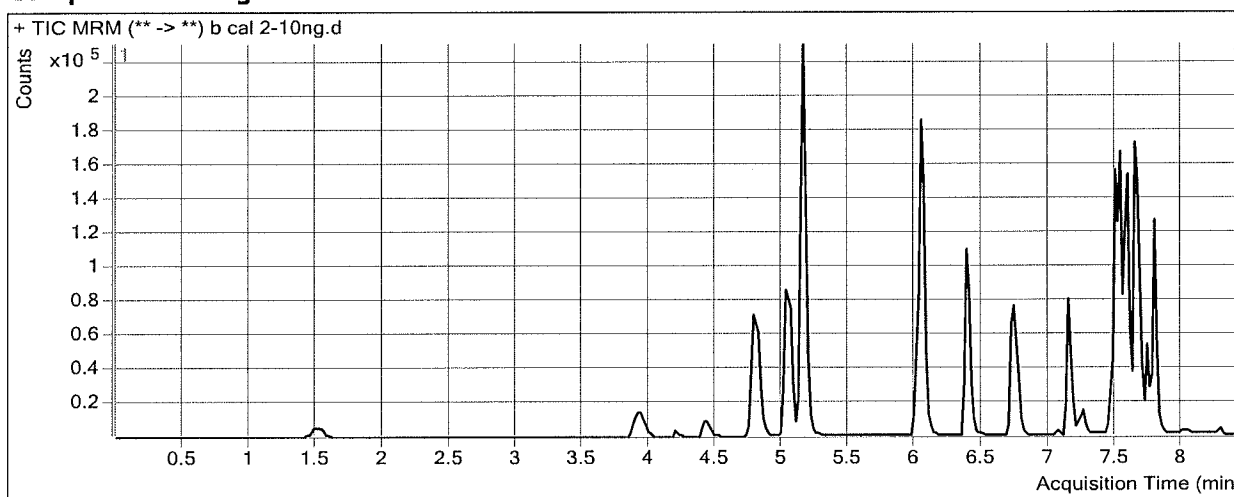
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Analysis Time 10/12/2017 1:10 PM **Analyst Name** ISP Tox
Report Time 10/12/2017 1:51 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 1:10 PM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 16:19 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	6977	30935	0.2255	9.9641
Dihydrocodeine	Dihydrocodeine-D6	3.970	12309	71374	0.1725	8.9866
Noroxycodone	Noroxycodone-D3	4.460	7250	60	120.9682	0.0000
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	5487	253326	0.0217	0.9649
Naltrexol	Naltrexol-D3	5.048	52614	207850	0.2531	9.6148
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	120190	587887	0.2044	9.9877
Ketamine	Ketamine-D4	6.042	43253	178593	0.2422	10.0287
Norfentanyl	Norfentanyl-D5	6.065	6546	352999	0.0185	1.4611
alpha-PVP	alpha-PVP-d8	6.386	58547	250611	0.2336	9.9230
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	4330	228178	0.0190	1.0453
Norbuprenorphine	Norbuprenorphine-D3	7.052	126	6452	0.0195	1.0705
Fentanyl	Fentanyl-D5	7.160	4091	193489	0.0211	1.0160
EDDP	EDDP-D3	7.248	4528	22905	0.1977	10.5497
Sufentanil	Sufentanil-D5	7.497	2984	139194	0.0214	0.9265
Quetiapine	Quetiapine-D8	7.478	66153	84990	0.7784	10.1506
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	18186	81865	0.2221	10.2942
Methadone	Methadone-D9	7.522	36989	206882	0.1788	10.1224
Fluoxetine	Fluoxetine-D6	7.583	54753	258523	0.2118	10.1080
Oxazepam	Oxazepam-D5	7.608	12035	63349	0.1900	9.8976
Sertraline	Sertraline-D3	7.645	12523	54752	0.2287	11.1192
Temazepam	Temazepam-D5	7.667	58151	292358	0.1989	10.0671
Nordiazepam	Nordiazepam-D5	7.734	22814	65323	0.3493	10.5136
Diazepam	Diazepam-D5	7.790	38170	144923	0.2634	10.0312

ISP FORENSICS - Cd'A Instrument # 62340 *P1b cal 2*
Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.836	1138	55100	0.0206	0.7934



ISP FORENSICS - Cd'A Instrument # 62340

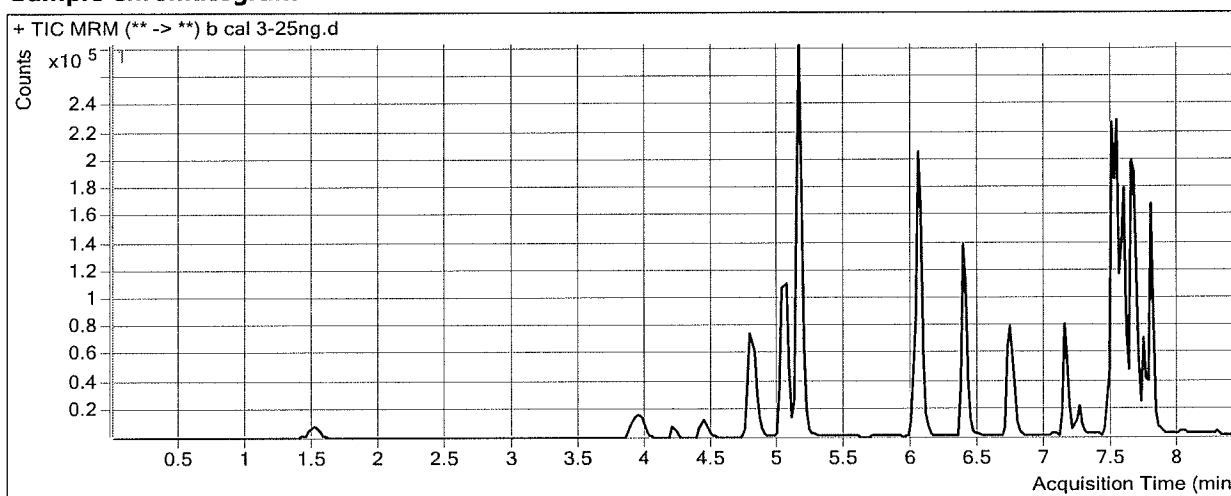
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin		
Analysis Time	10/12/2017 1:10 PM	Analyst Name	ISP Tox
Report Time	10/12/2017 1:51 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 1:10 PM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 16:45	Data File	b cal 3-25ng.d
Sample Type	Calibration	Sample Name	b cal 3-25ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	17336	30103	0.5759	24.2239
Dihydrocodeine	Dihydrocodeine-D6	3.970	31724	67612	0.4692	26.9056
Noroxycodone	Noroxycodone-D3	4.460	17933	25	729.6181	117.3270
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	14060	252779	0.0556	2.4483
Naltrexol	Naltrexol-D3	5.048	131746	202132	0.6518	25.6682
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	301695	574674	0.5250	25.6148
Ketamine	Ketamine-D4	6.042	106629	168713	0.6320	25.9772
Norfentanyl	Norfentanyl-D5	6.065	15995	331282	0.0483	2.8088
alpha-PVP	alpha-PVP-d8	6.386	141092	229429	0.6150	25.7011
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	10926	222185	0.0492	2.5463
Norbuprenorphine	Norbuprenorphine-D3	7.052	225	6024	0.0373	1.9723
Fentanyl	Fentanyl-D5	7.160	10859	191332	0.0568	2.5383
EDDP	EDDP-D3	7.248	12501	26774	0.4669	22.4666
Sufentanil	Sufentanil-D5	7.497	7560	136324	0.0555	2.4522
Quetiapine	Quetiapine-D8	7.478	160639	81832	1.9630	25.4374
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	46344	79898	0.5800	24.5060
Methadone	Methadone-D9	7.522	91838	212398	0.4324	24.2303
Fluoxetine	Fluoxetine-D6	7.583	107312	235961	0.4548	21.4641
Oxazepam	Oxazepam-D5	7.608	27050	52614	0.5141	24.8412
Sertraline	Sertraline-D3	7.645	29396	55108	0.5334	24.8307
Temazepam	Temazepam-D5	7.667	135113	272599	0.4956	24.8900
Nordiazepam	Nordiazepam-D5	7.734	52650	62121	0.8475	27.1137
Diazepam	Diazepam-D5	7.790	93807	140361	0.6683	25.5423

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

P1 bca/3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.836	3254	55682	0.0584	2.1935



ISP FORENSICS - Cd'A Instrument # 62340

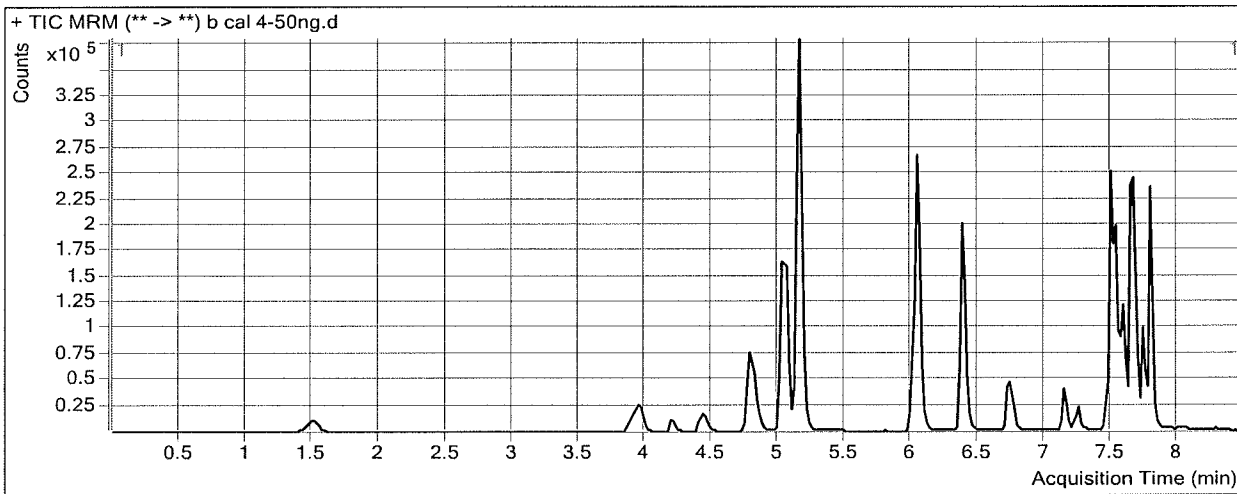
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Analysis Time 10/12/2017 1:10 PM **Analyst Name** ISP Tox
Report Time 10/12/2017 1:51 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 1:10 PM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 17:10 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

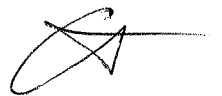
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.508	34237	30179	1.1345	46.9565
Dihydrocodeine	Dihydrocodeine-D6	3.970	59741	68126	0.8769	51.5262
Noroxycodone	Noroxycodone-D3	4.460	34780	90	387.7744	40.3640
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	26897	246431	0.1091	4.7862
Naltrexol	Naltrexol-D3	5.048	266752	197696	1.3493	53.7575
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	586635	574059	1.0219	49.8407
Ketamine	Ketamine-D4	6.042	212558	172918	1.2292	50.4111
Norfentanyl	Norfentanyl-D5	6.065	31741	333911	0.0951	4.9287
alpha-PVP	alpha-PVP-d8	6.386	268771	228262	1.1775	48.9738
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	11993	128979	0.0930	4.7237
Norbuprenorphine	Norbuprenorphine-D3	7.052	355	3740	0.0949	4.8957
Fentanyl	Fentanyl-D5	7.160	9924	90070	0.1102	4.8227
EDDP	EDDP-D3	7.248	21703	21596	1.0049	46.2797
Sufentanil	Sufentanil-D5	7.477	5894	58892	0.1001	4.4531
Quetiapine	Quetiapine-D8	7.478	269170	67224	4.0041	51.7752
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	42240	35762	1.1811	48.3756
Methadone	Methadone-D9	7.522	105518	122030	0.8647	48.2800
Fluoxetine	Fluoxetine-D6	7.583	107934	104697	1.0309	48.3887
Oxazepam	Oxazepam-D5	7.608	49690	46784	1.0621	50.1063
Sertraline	Sertraline-D3	7.645	25262	21884	1.1543	52.7702
Temazepam	Temazepam-D5	7.667	269483	264388	1.0193	51.0461
Nordiazepam	Nordiazepam-D5	7.734	93513	60721	1.5400	50.1832
Diazepam	Diazepam-D5	7.790	189350	144718	1.3084	50.0597

P1 Bcaly

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

plb caly

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.836	4157	31274	0.1329	4.9531



ISP FORENSICS - Cd'A Instrument # 62340

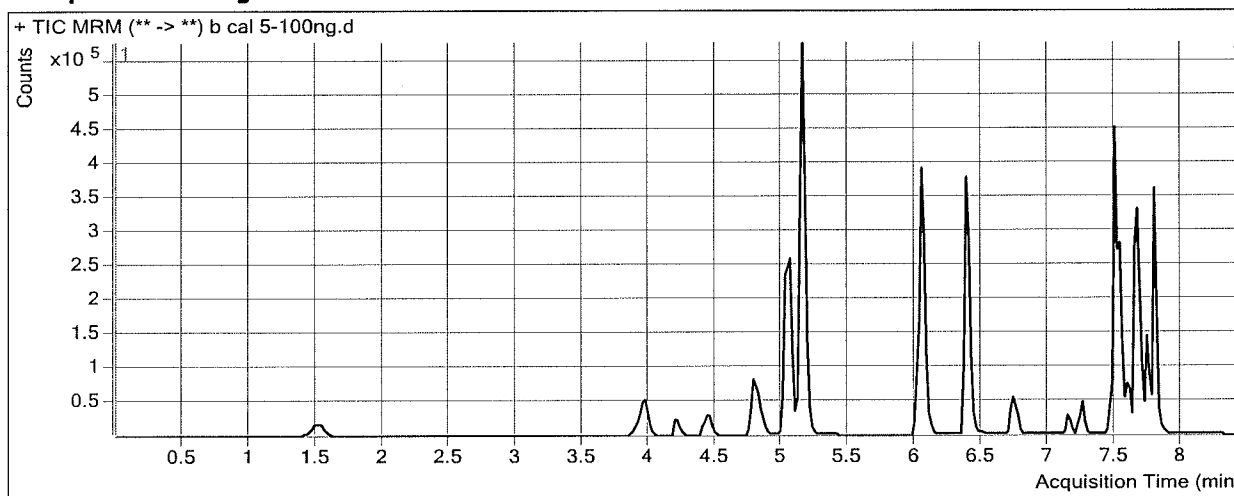
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin		
Analysis Time	10/12/2017 1:10 PM	Analyst Name	ISP Tox
Report Time	10/12/2017 1:51 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 1:10 PM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 17:35	Data File	b cal 5-100ng.d
Sample Type	Calibration	Sample Name	b cal 5-100ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	70233	29211	2.4043	98.6357
Dihydrocodeine	Dihydrocodeine-D6	3.970	132670	70939	1.8702	111.5049
Noroxycodone	Noroxycodone-D3	4.460	67884	163	417.3116	47.0140
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	56333	246516	0.2285	10.0003
Naltrexol	Naltrexol-D3	5.048	500600	188472	2.6561	106.3815
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	1191495	574708	2.0732	101.0942
Ketamine	Ketamine-D4	6.042	450150	181490	2.4803	101.5947
Norfentanyl	Norfentanyl-D5	6.065	70115	359512	0.1950	9.4592
alpha-PVP	alpha-PVP-d8	6.386	641440	260827	2.4593	102.0067
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	23313	125765	0.1854	9.3158
Norbuprenorphine	Norbuprenorphine-D3	7.052	802	3696	0.2169	11.0839
Fentanyl	Fentanyl-D5	7.160	12159	55047	0.2209	9.5555
EDDP	EDDP-D3	7.248	55687	29915	1.8615	84.1925
Sufentanil	Sufentanil-D5	7.497	5813	24638	0.2359	10.5460
Quetiapine	Quetiapine-D8	7.478	580948	74918	7.7544	100.1693
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	31654	13030	2.4293	97.9377
Methadone	Methadone-D9	7.522	187813	103828	1.8089	100.8071
Fluoxetine	Fluoxetine-D6	7.583	45524	21227	2.1446	100.4357
Oxazepam	Oxazepam-D5	7.608	79195	35286	2.2444	104.6111
Sertraline	Sertraline-D3	7.645	6862	3587	1.9132	86.9166
Temazepam	Temazepam-D5	7.667	473218	238984	1.9801	99.0427
Nordiazepam	Nordiazepam-D5	7.734	163821	50372	3.2522	107.2234
Diazepam	Diazepam-D5	7.790	353127	133029	2.6545	101.6197

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

plba cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Buprenorphine	Buprenorphine-D4	7.836	7617	28119	0.2709	10.0645

ISP FORENSICS - Cd'A Instrument # 62340

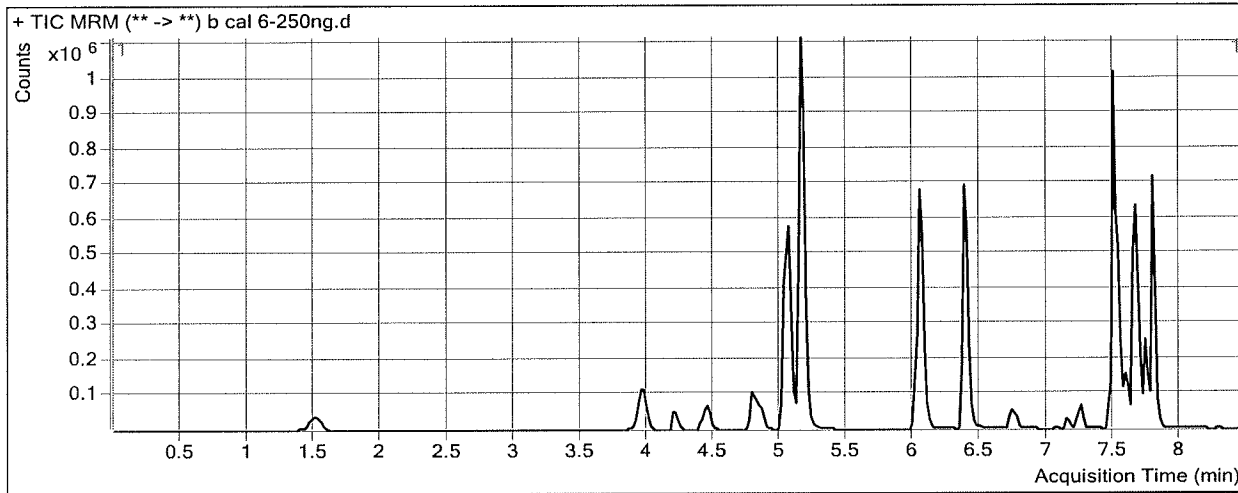
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin		
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Report Time	10/12/2017 1:51 PM	Reporter Name	ISP Tox
Last Calib Update	10/12/2017 1:10 PM	Batch State	Processed

Analysis Info

Acq Time	2017-10-11 18:01	Data File	b cal 6-250ng.d
Sample Type	Calibration	Sample Name	b cal 6-250ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	181502	30467	5.9573	243.2336
Dihydrocodeine	Dihydrocodeine-D6	3.970	321292	71392	4.5004	270.3307
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.862	141638	250211	0.5661	24.7444
Naltrexol	Naltrexol-D3	5.048	1219868	192014	6.3530	255.2555
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	2950874	582317	5.0675	247.0700
Ketamine	Ketamine-D4	6.042	1108776	182477	6.0763	248.7129
Norfentanyl	Norfentanyl-D5	6.085	162310	321404	0.5050	23.5070
alpha-PVP	alpha-PVP-d8	6.386	1397499	230791	6.0553	250.7887
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	46522	95911	0.4851	24.2115
Norbuprenorphine	Norbuprenorphine-D3	7.052	1499	2792	0.5371	27.3218
Fentanyl	Fentanyl-D5	7.160	25083	47821	0.5245	22.5374
EDDP	EDDP-D3	7.248	123275	19471	6.3311	282.0280
Sufentanil	Sufentanil-D5	7.497	13495	26413	0.5109	22.8785
Quetiapine	Quetiapine-D8	7.478	1339898	70175	19.0936	246.4894
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	90400	15514	5.8269	232.8572
Methadone	Methadone-D9	7.522	360388	83213	4.3309	241.1105
Fluoxetine	Fluoxetine-D6	7.583	165828	31629	5.2429	245.2317
Oxazepam	Oxazepam-D5	7.608	150109	28299	5.3045	245.6888
Sertraline	Sertraline-D3	7.645	38137	7590	5.0248	226.9308
Temazepam	Temazepam-D5	7.667	1045238	212666	4.9149	245.6426
Nordiazepam	Nordiazepam-D5	7.734	327056	43284	7.5560	250.5993
Diazepam	Diazepam-D5	7.790	838607	125607	6.6764	255.6739
Buprenorphine	Buprenorphine-D4	7.836	12051	19294	0.6246	23.1688

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

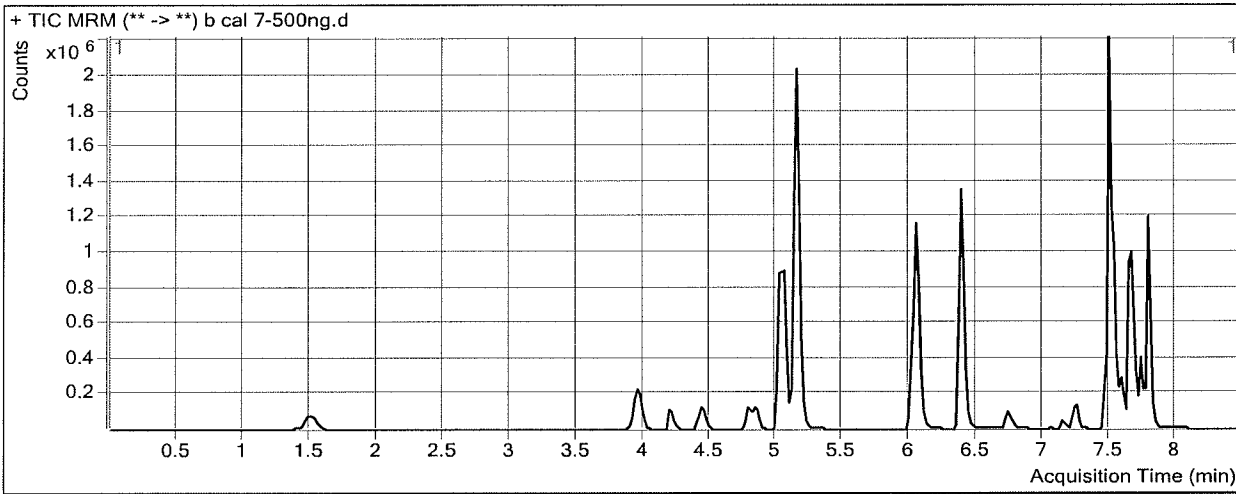
P1Bcal 6

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Analysis Time 10/12/2017 1:10 PM **Analyst Name** ISP Tox
Report Time 10/12/2017 1:51 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 1:10 PM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 18:26 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	376188	30073	12.5093	509.8837
Dihydrocodeine	Dihydrocodeine-D6	3.950	621857	72043	8.6318	519.8047
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.842	305966	256694	1.1919	52.0821
Naltrexol	Naltrexol-D3	5.048	2247507	176209	12.7548	513.0521
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	5838293	566412	10.3075	502.5320
Ketamine	Ketamine-D4	6.042	2159843	177728	12.1525	497.3048
Norfentanyl	Norfentanyl-D5	6.065	321387	303192	1.0600	48.6593
alpha-PVP	alpha-PVP-d8	6.386	2772517	231388	11.9821	496.0080
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	102419	102493	0.9993	49.7708
Norbuprenorphine	Norbuprenorphine-D3	7.052	2276	2416	0.9418	47.8448
Fentanyl	Fentanyl-D5	7.140	55284	47308	1.1686	50.0737
EDDP	EDDP-D3	7.248	277554	24270	11.4363	507.9935
Sufentanil	Sufentanil-D5	7.477	28232	24979	1.1303	50.6550
Quetiapine	Quetiapine-D8	7.478	2898472	78080	37.1220	479.1277
Cyclobenzaprine	Cyclobenzaprine-D3	7.511	179689	15061	11.9310	475.2472
Methadone	Methadone-D9	7.522	765606	82175	9.3168	518.4849
Fluoxetine	Fluoxetine-D6	7.563	329359	28760	11.4520	535.4073
Oxazepam	Oxazepam-D5	7.608	267619	24835	10.7761	497.9453
Sertraline	Sertraline-D3	7.645	76608	6409	11.9538	538.7189
Temazepam	Temazepam-D5	7.667	1880718	185791	10.1228	505.7837
Nordiazepam	Nordiazepam-D5	7.734	514872	36277	14.1926	471.6897
Diazepam	Diazepam-D5	7.790	1503846	116373	12.9227	494.9271
Buprenorphine	Buprenorphine-D4	7.836	24711	17543	1.4086	52.2161

ISP FORENSICS - Cd'A Instrument # 62340

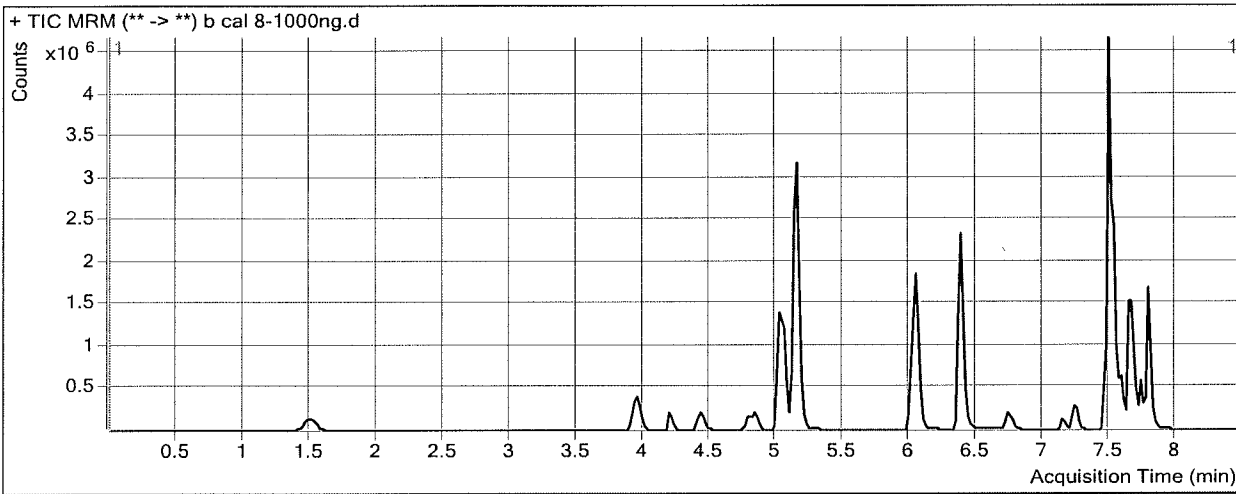
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\101117 mdq p1 and p2\QuantResults\mdq p1b.batch.bin
Analysis Time 10/12/2017 1:10 PM **Analyst Name** ISP Tox
Report Time 10/12/2017 1:51 PM **Reporter Name** ISP Tox
Last Calib Update 10/12/2017 1:10 PM **Batch State** Processed

Analysis Info

Acq Time 2017-10-11 18:52 **Data File** b cal 8-1000ng.d
Sample Type Calibration **Sample Name** b cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.508	676403	27507	24.5898	1001.5279
Dihydrocodeine	Dihydrocodeine-D6	3.950	1058831	67423	15.7043	946.8827
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	4.842	569780	235241	2.4221	105.8145
Naltrexol	Naltrexol-D3	5.028	3524539	145934	24.1516	972.0019
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.161	9969966	486563	20.4906	998.9778
Ketamine	Ketamine-D4	6.042	3774718	161746	23.3373	954.8990
Norfentanyl	Norfentanyl-D5	6.065	580861	256778	2.2621	103.1370
alpha-PVP	alpha-PVP-d8	6.386	5043098	211766	23.8145	985.5637
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.738	267083	130475	2.0470	101.8479
Norbuprenorphine	Norbuprenorphine-D3	7.052	4457	2278	1.9565	99.3058
Fentanyl	Fentanyl-D5	7.140	165695	68921	2.4041	102.8980
EDDP	EDDP-D3	7.228	596413	26967	22.1165	980.7199
Sufentanil	Sufentanil-D5	7.477	88282	39000	2.2637	101.4866
Quetiapine	Quetiapine-D8	7.478	6530592	51982	125.6328	1621.2680
Cyclobenzaprine	Cyclobenzaprine-D3	7.491	563718	21447	26.2841	1045.2004
Methadone	Methadone-D9	7.522	1864675	99738	18.6958	1040.2516
Fluoxetine	Fluoxetine-D6	7.563	931941	40275	23.1395	1081.6093
Oxazepam	Oxazepam-D5	7.608	457712	21440	21.3488	985.3750
Sertraline	Sertraline-D3	7.645	213299	9666	22.0662	993.7567
Temazepam	Temazepam-D5	7.667	2973090	148746	19.9877	998.5595
Nordiazepam	Nordiazepam-D5	7.734	801580	26188	30.6082	1018.5578
Diazepam	Diazepam-D5	7.790	2308092	88633	26.0410	997.4068
Buprenorphine	Buprenorphine-D4	7.836	59001	19368	3.0463	112.8943