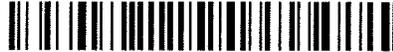


B. Wylee

Worklist: 1806

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-1213	1	89734	AM 28 Blood Multi-Drug Quant	
C2017-1239	1	89735	AM 28 Blood Multi-Drug Quant	
C2017-1278	1	89736	AM 28 Blood Multi-Drug Quant	
C2017-1301	1	89737	AM 28 Blood Multi-Drug Quant	
C2017-1308	1	89738	AM 28 Blood Multi-Drug Quant	
C2017-1313	1	89739	AM 28 Blood Multi-Drug Quant	
M2017-2410	3	89740	AM 28 Blood Multi-Drug Quant	
M2017-2663	1	89741	AM 28 Blood Multi-Drug Quant	
M2017-2725	2	89742	AM 28 Blood Multi-Drug Quant	
M2017-2821	2	89743	AM 28 Blood Multi-Drug Quant	
M2017-2900	2	89744	AM 28 Blood Multi-Drug Quant	
M2017-3046	2	89745	AM 28 Blood Multi-Drug Quant	
P2017-1516	1	89746	AM 28 Blood Multi-Drug Quant	

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

Date: 7-11-17 Analyst: Anne Nord

PRE-ANALYTIC

Plate Lot# 0498367 Plate Exp. 1/26/2018

1. Ensure all solutions are within expiration date.
- Mobile Phase A: **0.5M Ammonium Hydroxide**
5mM Amm Form +0.01% FA
- Mobile Phase B: Ethyl Acetate
0.01% FA in MeOH
20% Methanol Column: **Agilent 120 EC-C18 (2.1x 100-4um)**
2. Check levels of mobile phases and needle wash and refill as necessary. Ensure waste is not full.
3. Begin mobile phase flow and allow system to equilibrate for approx. 30 minutes.
4. Create worklist. Data path name: 71117 mdq pla

ANALYTIC

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

POST-ANALYTIC

1. Open quantitation software and create a new quantitation batch.
 Batch name: mdq pla 71117
mdq pl b 71117
2. Make any necessary changes. Limit curves based on validated linear ranges.
3. Were all appropriate standards used in the curve for each analyte? Y / N
 Are r² values ≥0.98 for each analyte? Y / N
4. For unknown samples, are the response ratios for each analyte within ± 20% of the average ratios of the standards and QC's? Y / N
5. Did all QCs pass for each analyte? (Y) / N
6. Central File Packet to include: _____ LIMS Worklist: Method Checklist Calibration and Control Reports

COMMENTS:

Carisoprodol range 10ng +

hydro morphone rt shifts too great not evaluated.

Morphine ~~range 10ng +~~ Not evaluated rt shift too great not evaluated, control values > 2000 of target, ratios for controls out of range. *

Oxymorphone not evaluated rt shifts too great.

Norfentanyl range 2.5ng +



ISP FORENSICS - Cd'A Instrument # 62340

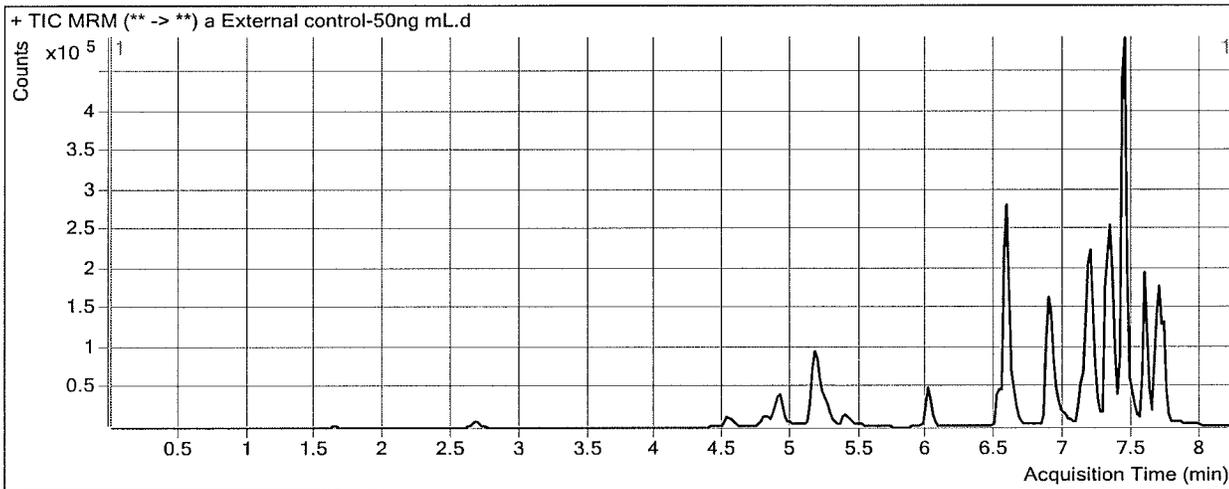
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 17:23 **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 2-13-17.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** AM 28; lot 81017 50 ng hydrocodone, diphenhydramine, lorazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Hydrocodone	Hydrocodone-D6	5.195	117402	129714	0.9051	50.9561
Methamphetamine	Methamphetamine-D11	5.281	17452	140929	0.1238	1.3192 < 5
Diphenhydramine	Diphenhydramine-D3	7.452	542754	491744	1.1037	55.2359
Lorazepam	Alprazolam-D5	7.703	26319	250290	0.1052	46.9651

ISP FORENSICS - Cd'A Instrument # 62340

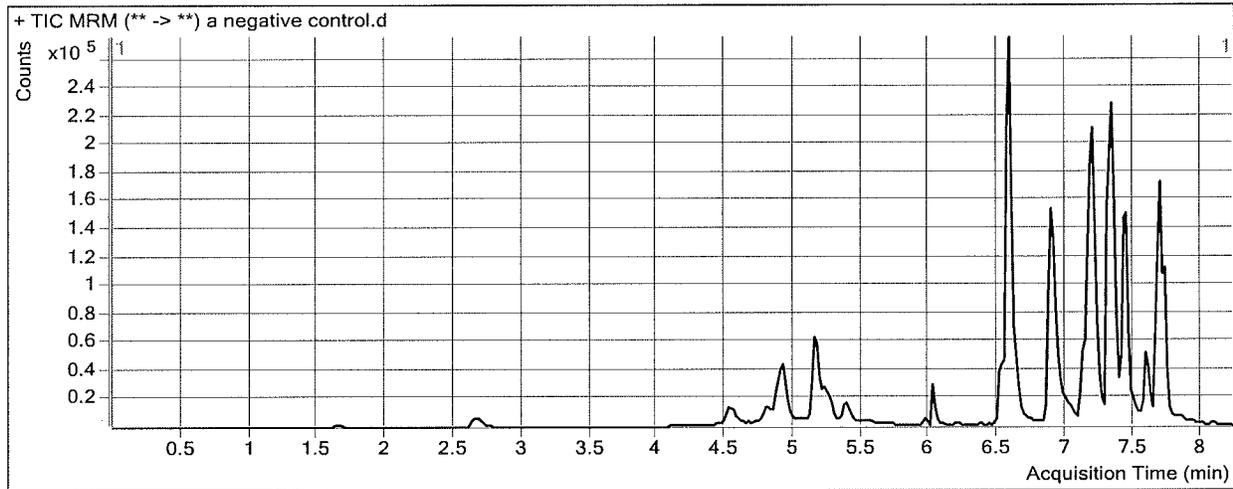
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 16:57 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

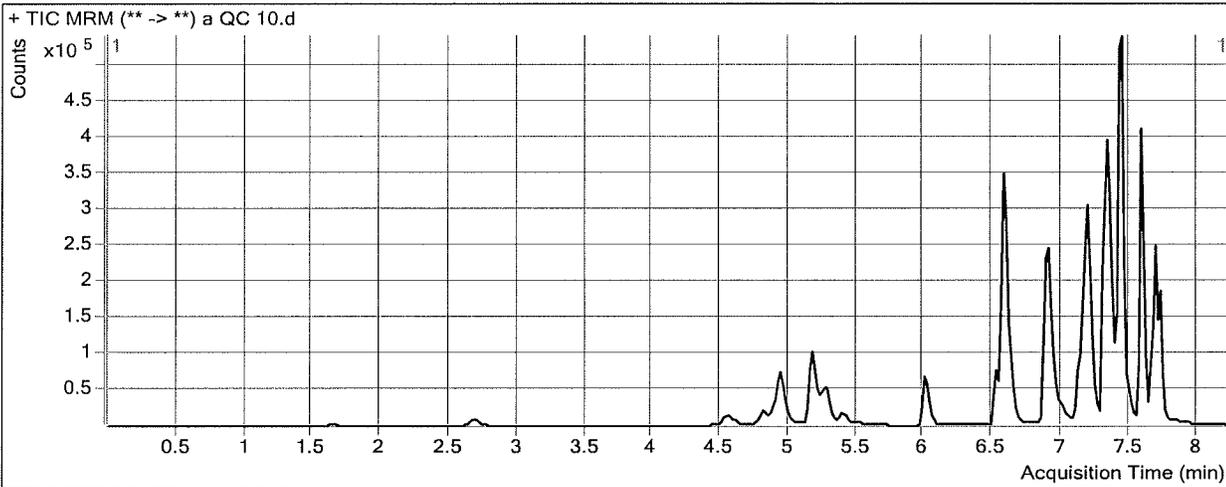
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 17:48 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	2912	3579	0.8138	10.4922
Hydromorphone	Hydromorphone-D6	2.700	13864	46244	0.2998	9.8470
Codeine	Codeine-D6	4.613	6731	27004	0.2493	10.7134
Amphetamine	Amphetamine-D11	4.944	115548	73563	1.5707	12.7314
Oxycodone	Oxycodone-D6	4.951	32538	156657	0.2077	9.9044
Hydrocodone	Hydrocodone-D6	5.195	23010	134112	0.1716	9.6469
Norhydrocodone	Norhydrocodone-D3	5.277	1566	56254	0.0278	8.0614
Methamphetamine	Methamphetamine-D11	5.281	92084	242513	0.3797	10.6577
6-MAM	6-MAM-D6	5.409	1005	43347	0.0232	1.0237
Phentermine	Phentermine-D5	6.046	13800	238920	0.0578	9.5470
Dextropropion	Dextropropion-D3	6.524	23463	178647	0.1313	10.5384
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	25657	115232	0.2227	9.8530
Tramadol	Tramadol-13C-D3	6.600	187708	873362	0.2149	10.0917
Doxylamine	Doxylamine-D5	6.903	182286	816346	0.2233	10.1674
Bupropion	Bupropion-D9	7.152	38946	216717	0.1797	8.8693
Zolpidem	Zolpidem-D6	7.183	144959	750816	0.1931	10.2047
Meprobamate	Meprobamate-D7	7.234	12872	78864	0.1632	9.2367
Trazodone	Trazodone-D6	7.376	92051	422443	0.2179	10.1323
Venlafaxine	Venlafaxine-D6	7.326	158197	769708	0.2055	9.5158
Citalopram	Citalopram-D6	7.418	91008	467858	0.1945	9.9863
Diphenhydramine	Diphenhydramine-D3	7.452	157261	787567	0.1997	10.0463
Dextromethorphan	Dextromethorphan-D3	7.428	23475	107909	0.2175	10.6113
Clonazepam	Clonazepam-D4	7.623	9228	15192	0.6074	9.1357

Not evaluated

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

a Qc 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	149055	779495	0.1912	9.9029
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	4725	23250	0.2032	9.3071
Carisoprodol	Carisoprodol-D7	7.693	63416	401733	0.1579	9.9734
Lorazepam	Alprazolam-D5	7.703	4136	244920	0.0169	8.6211
Alprazolam	Alprazolam-D5	7.727	57472	244920	0.2347	9.9788

ISP FORENSICS - Cd'A Instrument # 62340

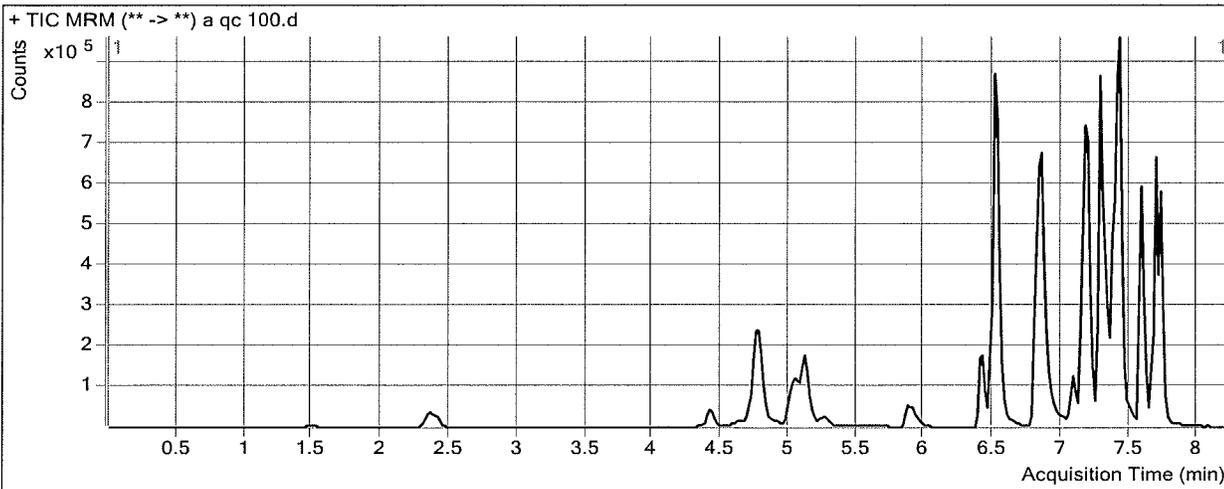
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 21:23 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.508	25385	2077	12.2222	137.4073
Hydromorphone	Hydromorphone-D6	2.367	123467	40066	3.0816	95.1674
Codeine	Codeine-D6	4.415	53024	19513	2.7173	98.8513
Amphetamine	Amphetamine-D11	4.764	498602	52795	9.4441	100.5288
Oxycodone	Oxycodone-D6	4.790	308370	128921	2.3919	106.7326
Hydrocodone	Hydrocodone-D6	5.055	195758	106917	1.8309	103.0968
Norhydrocodone	Norhydrocodone-D3	5.118	13144	41417	0.3174	85.9684
Methamphetamine	Methamphetamine-D11	5.121	442534	156389	2.8297	100.0737
6-MAM	6-MAM-D6	5.268	8512	35622	0.2390	9.4918
Phentermine	Phentermine-D5	5.926	106331	179548	0.5922	95.6432
Dextrophan	Dextrophan-D3	6.403	180759	133614	1.3528	104.4582
7-aminoclonazepam	7-Aminoclonazepam-D4	6.495	223820	97379	2.2984	104.7533
Tramadol	Tramadol-13C-D3	6.521	1698990	811020	2.0949	102.4208
Doxylamine	Doxylamine-D5	6.843	1325167	686087	1.9315	93.5489
Bupropion	Bupropion-D9	7.091	199226	99317	2.0060	96.4310
Zolpidem	Zolpidem-D6	7.183	1215280	638121	1.9045	101.6816
Meprobamate	Meprobamate-D7	7.173	113626	61739	1.8404	90.4099
Trazodone	Trazodone-D6	7.356	685626	290478	2.3603	98.9516
Venlafaxine	Venlafaxine-D6	7.286	1294800	626159	2.0678	103.0771
Citalopram	Citalopram-D6	7.398	627828	259494	2.4194	113.1138
Diphenhydramine	Diphenhydramine-D3	7.432	914571	442891	2.0650	103.2854
Dextromethorphan	Dextromethorphan-D3	7.408	129609	55745	2.3250	104.2522
Clonazepam	Clonazepam-D4	7.623	97661	12295	7.9432	113.4647

not evaluated in this run A

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

a qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	843008	463847	1.8174	91.4234
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	43429	18046	2.4065	102.0608
Carisoprodol	Carisoprodol-D7	7.693	493150	315247	1.5643	93.4719
Lorazepam	Alprazolam-D5	7.723	38502	184727	0.2084	91.8275
Alprazolam	Alprazolam-D5	7.727	480260	184727	2.5998	103.6792



ISP FORENSICS - Cd'A Instrument # 62340

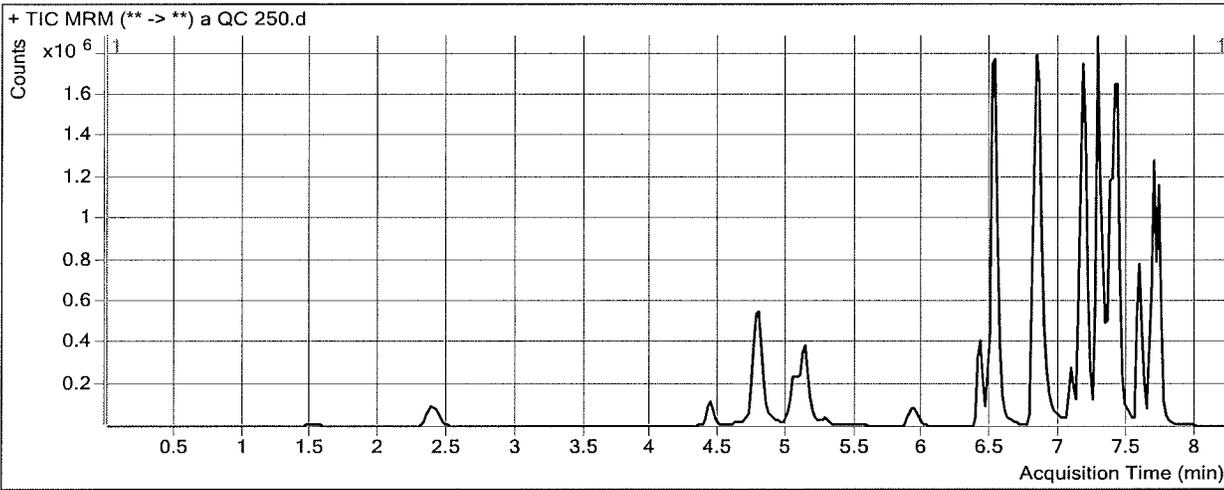
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 23:17 **Data File** a QC 250.d
Sample Type QC **Sample Name** a QC 250
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.528	65719	2114	31.0907	347.3141
Hydromorphone	Hydromorphone-D6	2.387	322506	39837	8.0955	248.9481
Codeine	Codeine-D6	4.432	141492	21983	6.4365	231.6701
Amphetamine	Amphetamine-D11	4.784	1149742	49719	23.1250	253.0879
Oxycodone	Oxycodone-D6	4.790	831601	134100	6.2014	275.6071
Hydrocodone	Hydrocodone-D6	5.075	490138	109514	4.4756	252.0327
Norhydrocodone	Norhydrocodone-D3	5.118	34278	39511	0.8676	234.0264
Methamphetamine	Methamphetamine-D11	5.141	1145358	159092	7.1994	259.5494
6-MAM	6-MAM-D6	5.289	22905	38138	0.6006	23.6832
Phentermine	Phentermine-D5	5.946	268191	180183	1.4884	240.0157
Dextrophan	Dextrophan-D3	6.423	475427	136293	3.4883	268.6498
7-aminoclonazepam	7-Aminoclonazepam-D4	6.495	541018	91709	5.8993	269.3763
Tramadol	Tramadol-13C-D3	6.521	4525474	850530	5.3208	260.8519
Doxylamine	Doxylamine-D5	6.822	3871934	750239	5.1609	251.1872
Bupropion	Bupropion-D9	7.091	497557	89978	5.5298	265.3831
Zolpidem	Zolpidem-D6	7.162	3017301	664927	4.5378	242.4370
Meprobamate	Meprobamate-D7	7.173	292706	57472	5.0930	247.8265
Trazodone	Trazodone-D6	7.356	1727568	280493	6.1590	256.4347
Venlafaxine	Venlafaxine-D6	7.286	3559259	607478	5.8591	293.5452
Citalopram	Citalopram-D6	7.398	1333330	245588	5.4291	252.6175
Diphenhydramine	Diphenhydramine-D3	7.432	1989152	376279	5.2864	264.3074
Dextromethorphan	Dextromethorphan-D3	7.408	259271	43594	5.9474	265.2042
Clonazepam	Clonazepam-D4	7.603	239598	11398	21.0210	299.4575

Not evaluated

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
Promethazine	Promethazine-D3	7.587	1441155	294664	4.8908	245.4912
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	120802	17531	6.8906	290.8262
Carisoprodol	Carisoprodol-D7	7.693	1129204	288732	3.9109	232.7824
Lorazepam	Alprazolam-D5	7.703	100801	173961	0.5794	253.0016
Alprazolam	Alprazolam-D5	7.727	1108819	173961	6.3740	253.1970

ISP FORENSICS - Cd'A Instrument # 62340

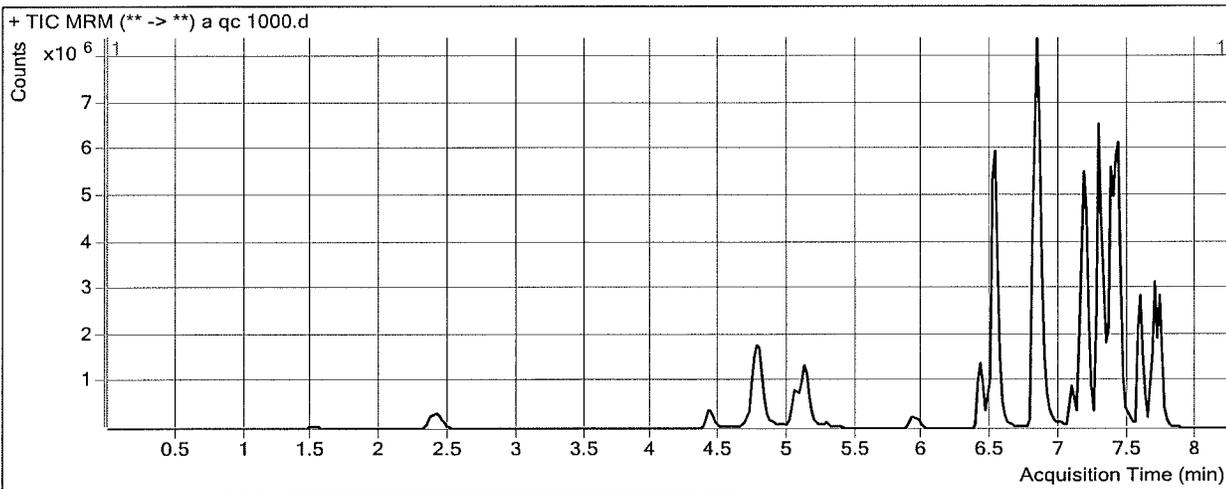
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 23:42 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.528	235822	1942	121.4022	1352.0021
Hydromorphone	Hydromorphone-D6	2.407	1223163	37761	32.3924	994.1491
Codeine	Codeine-D6	4.432	546024	17317	31.5315	1127.8456
Amphetamine	Amphetamine-D11	4.764	3815781	57124	66.7978	740.0941
Oxycodone	Oxycodone-D6	4.790	3351268	146524	22.8718	1014.6184
Hydrocodone	Hydrocodone-D6	5.055	1878120	112677	16.6682	938.6771
Norhydrocodone	Norhydrocodone-D3	5.118	124819	28086	4.4441	1196.4413
Methamphetamine	Methamphetamine-D11	5.121	3751340	144569	25.9484	943.8218
6-MAM	6-MAM-D6	5.268	89308	36628	2.4382	95.7997
Phentermine	Phentermine-D5	5.946	1001417	186616	5.3662	864.6866
Dextrophan	Dextrophan-D3	6.423	1757517	134331	13.0834	1006.4087
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	1612263	78554	20.5243	937.9955
Tramadol	Tramadol-13C-D3	6.521	17194159	837730	20.5247	1007.5536
Doxylamine	Doxylamine-D5	6.822	17455818	869758	20.0697	978.9281
Bupropion	Bupropion-D9	7.091	1845022	89441	20.6283	989.2981
Zolpidem	Zolpidem-D6	7.162	10802437	647314	16.6881	891.8882
Meprobamate	Meprobamate-D7	7.193	957179	51175	18.7040	906.5680
Trazodone	Trazodone-D6	7.356	7946972	403985	19.6715	816.6220
Venlafaxine	Venlafaxine-D6	7.286	13660861	682227	20.0239	1005.1745
Citalopram	Citalopram-D6	7.398	4912277	194303	25.2815	1172.8015
Diphenhydramine	Diphenhydramine-D3	7.432	8831349	433392	20.3773	1018.6350
Dextromethorphan	Dextromethorphan-D3	7.408	1120763	50380	22.2463	989.4015
Clonazepam	Clonazepam-D4	7.623	757733	9645	78.5634	1117.8278

not evaluated *

out side range *

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

a qc 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	6158442	330416	18.6385	934.6479
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	437502	17996	24.3106	1024.1621
Carisoprodol	Carisoprodol-D7	7.693	3201714	198107	16.1615	960.0673
Lorazepam	Alprazolam-D5	7.703	382272	121272	3.1522	1370.6168
Alprazolam	Alprazolam-D5	7.727	3088158	121272	25.4648	1009.5081



ISP FORENSICS - Cd'A Instrument # 62340

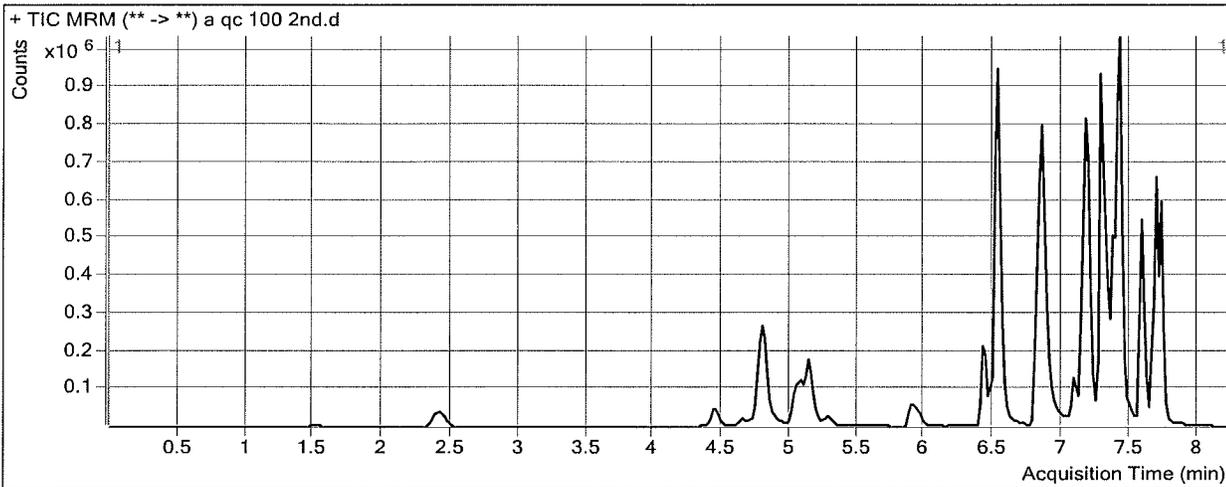
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-12 00:08 **Data File** a qc 100 2nd.d
Sample Type QC **Sample Name** a qc 100 2nd
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.528	26036	2230	11.6752	131.3217
Hydromorphone	Hydromorphone-D6	2.407	127239	40568	3.1364	96.8479
Codeine	Codeine-D6	4.453	61329	23025	2.6636	96.9328
Amphetamine	Amphetamine-D11	4.804	555095	53875	10.3034	110.1118
Oxycodone	Oxycodone-D6	4.810	327719	131325	2.4955	111.3229
Hydrocodone	Hydrocodone-D6	5.075	193444	112057	1.7263	97.2037
Norhydrocodone	Norhydrocodone-D3	5.138	14073	43529	0.3233	87.5692
Methamphetamine	Methamphetamine-D11	5.141	442387	152951	2.8923	102.3595
6-MAM	6-MAM-D6	5.289	8563	37501	0.2283	9.0752
Phentermine	Phentermine-D5	5.946	114896	192893	0.5956	96.1955
Dextrophan	Dextrophan-D3	6.423	201889	154097	1.3101	101.1756
7-aminoclonazepam	7-Aminoclonazepam-D4	6.515	237114	97659	2.4280	110.6756
Tramadol	Tramadol-13C-D3	6.521	1853282	883535	2.0976	102.5532
Doxylamine	Doxylamine-D5	6.843	1523747	770893	1.9766	95.7512
Bupropion	Bupropion-D9	7.091	201992	94165	2.1451	103.1010
Zolpidem	Zolpidem-D6	7.162	1259284	658765	1.9116	102.0619
Meprobamate	Meprobamate-D7	7.193	120260	62415	1.9268	94.5893
Trazodone	Trazodone-D6	7.356	713725	301357	2.3684	99.2844
Venlafaxine	Venlafaxine-D6	7.286	1496385	661293	2.2628	112.8722
Citalopram	Citalopram-D6	7.398	581691	273709	2.1252	99.4765
Diphenhydramine	Diphenhydramine-D3	7.432	982855	411788	2.3868	119.3705
Dextromethorphan	Dextromethorphan-D3	7.408	133895	59305	2.2577	101.2615
Clonazepam	Clonazepam-D4	7.623	101339	13305	7.6169	108.8247

not evaluated
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ISP FORENSICS - Cd'A Instrument # 62340
Multi-Drug Confirmatory Analysis Report

all 100 and

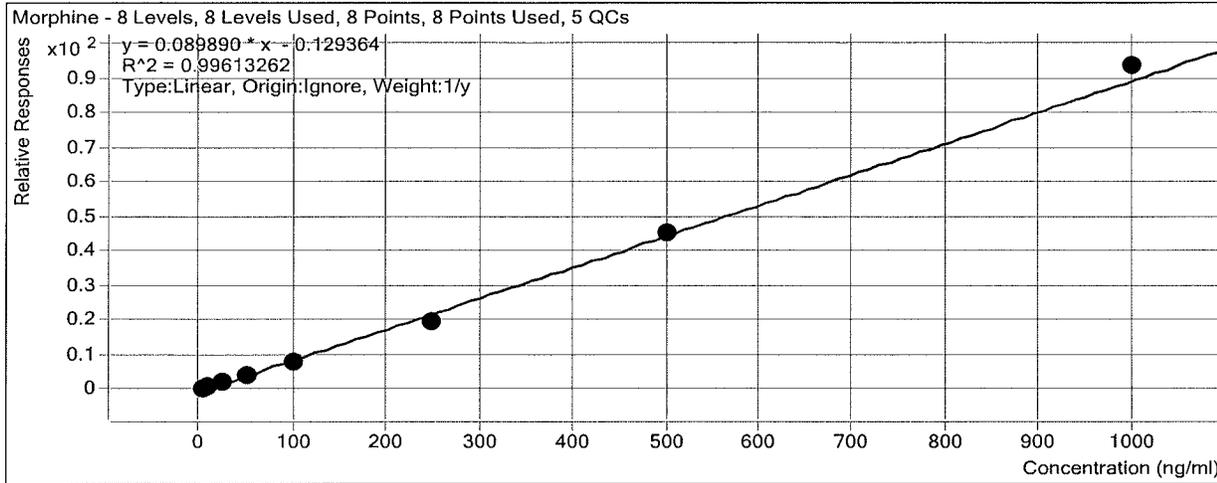
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	786333	415900	1.8907	95.0955
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	46688	19393	2.4074	102.0985
Carisoprodol	Carisoprodol-D7	7.693	499492	322231	1.5501	92.6275
Lorazepam	Alprazolam-D5	7.703	38656	195615	0.1976	87.1302
Alprazolam	Alprazolam-D5	7.727	497864	195615	2.5451	101.5117

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.8	116.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	109.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.4	90.4
a qc 100	5	<input checked="" type="checkbox"/>	100	137.4	137.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	131.3	131.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	221.7	88.7
a QC 250	6	<input checked="" type="checkbox"/>	250	347.3	138.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.1	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1041.8	104.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1352.0	135.2

*Not evaluate &
retention time shifts
out side acceptable range*

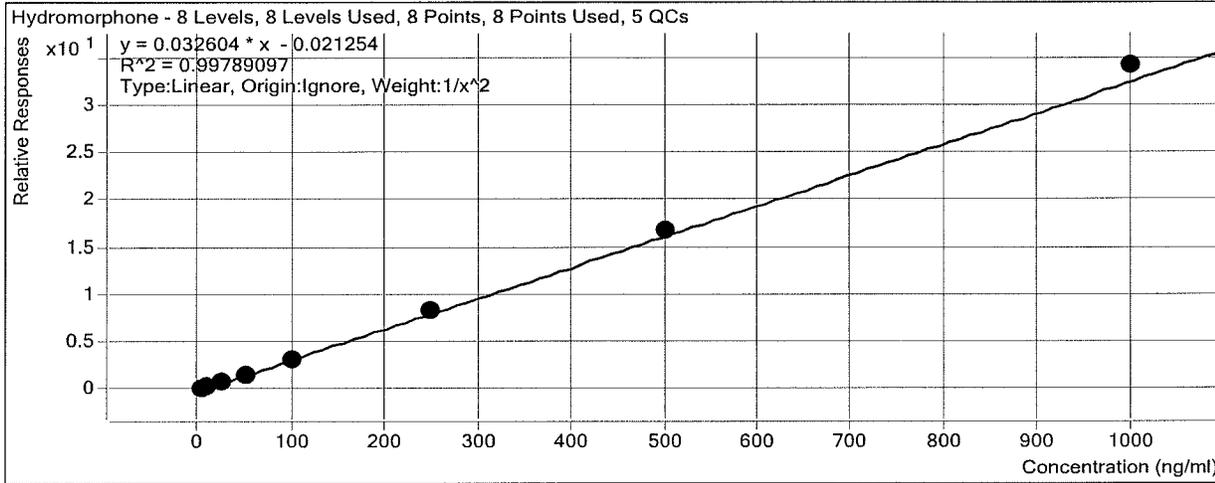
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100	5	<input checked="" type="checkbox"/>	100	95.2	95.2
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.8	96.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.4	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	248.9	99.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.8	103.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1047.6	104.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	994.1	99.4

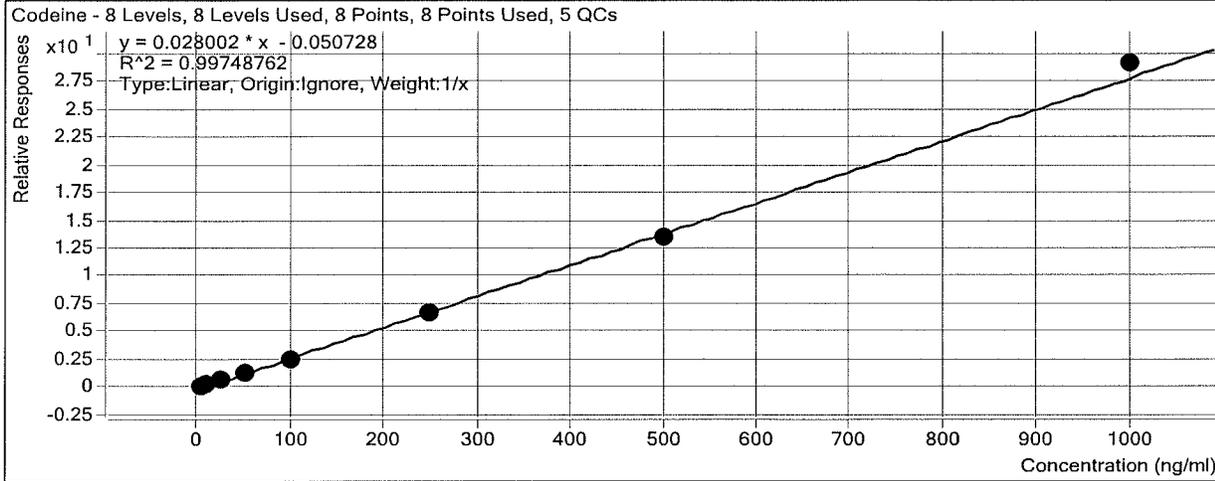
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retention time shifts
outside acceptable
range. **

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.3	126.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.8	89.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.1	92.1
a qc 100	5	<input checked="" type="checkbox"/>	100	98.9	98.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.1	95.7
a QC 250	6	<input checked="" type="checkbox"/>	250	231.7	92.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	483.6	96.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1040.9	104.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1127.8	112.8

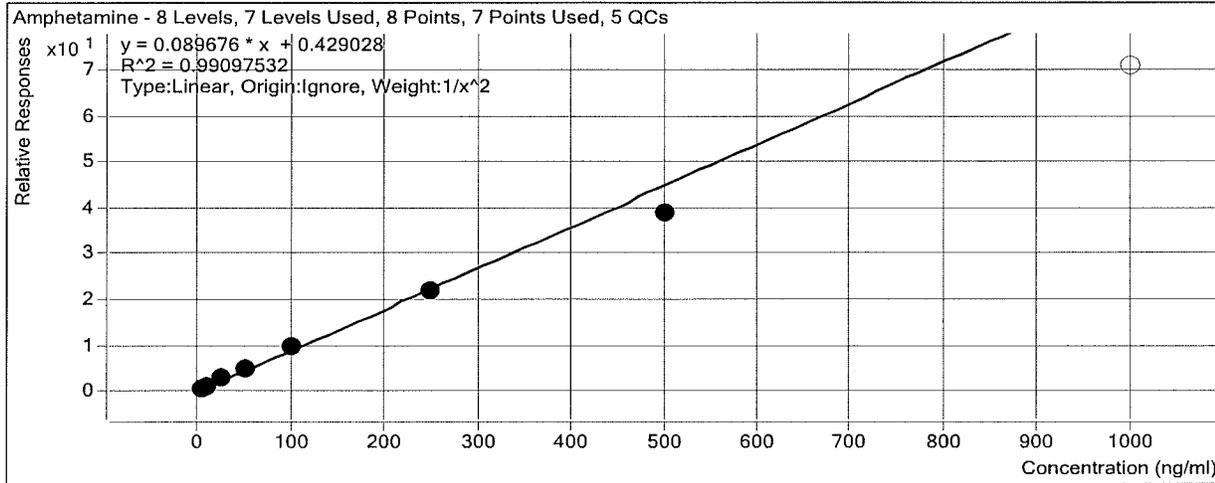
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM

Analyst Name ISP TOX

Target Compound *Amphetamine*
Internal Standard *Amphetamine-D11*



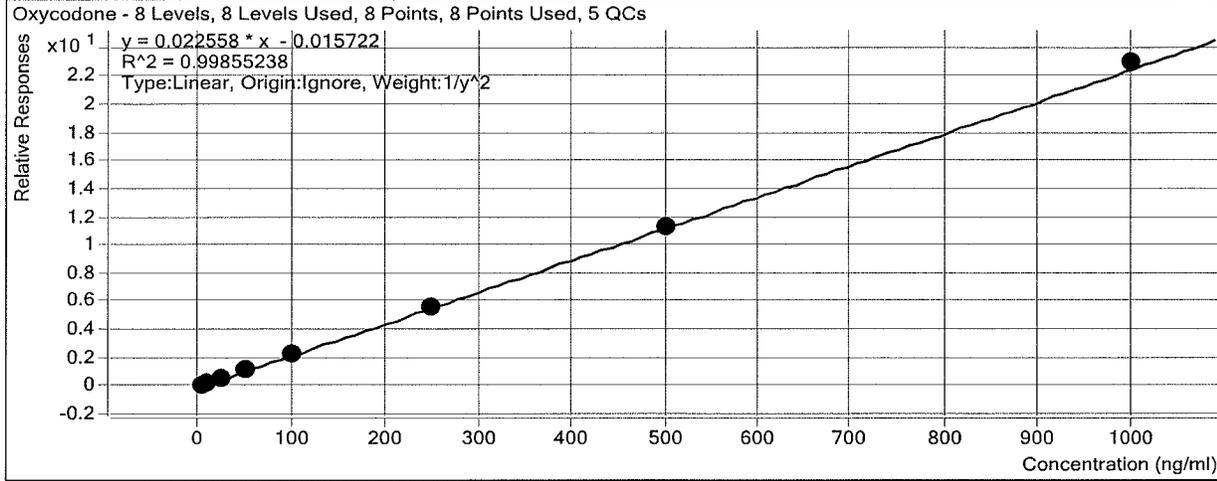
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a QC 10	2	<input checked="" type="checkbox"/>	10	12.7	127.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.1	108.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 100	5	<input checked="" type="checkbox"/>	100	100.5	100.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	110.1	110.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.6	95.8
a QC 250	6	<input checked="" type="checkbox"/>	250	253.1	101.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	429.2	85.8
a cal 8-1000ng	8	<input type="checkbox"/>	1000	783.7	78.4
a qc 1000	8	<input type="checkbox"/>	1000	740.1	74.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



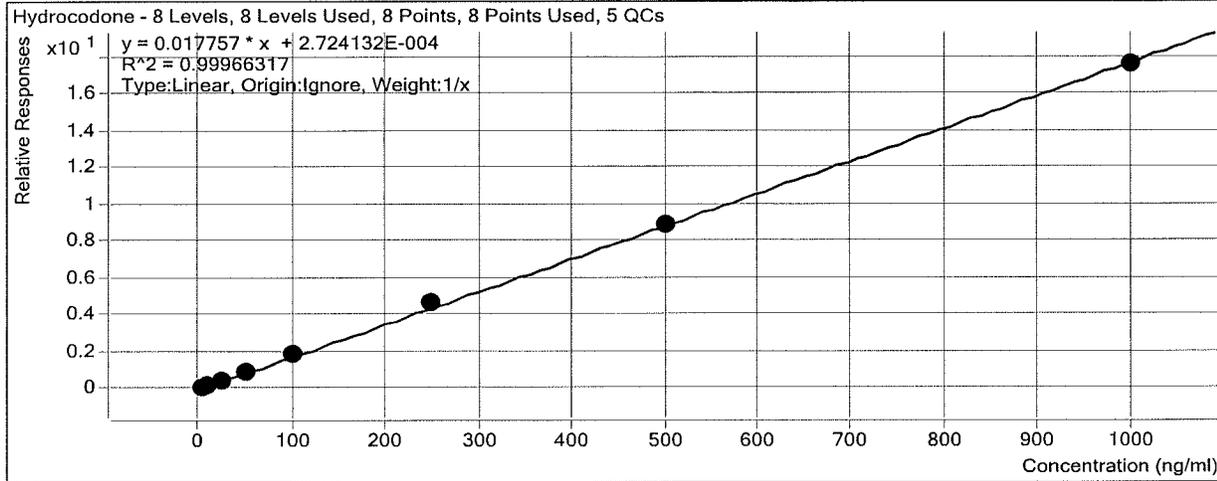
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a qc 100	5	<input checked="" type="checkbox"/>	100	106.7	106.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	111.3	111.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.3	100.1
a QC 250	6	<input checked="" type="checkbox"/>	250	275.6	110.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.2	100.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.1	101.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1014.6	101.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



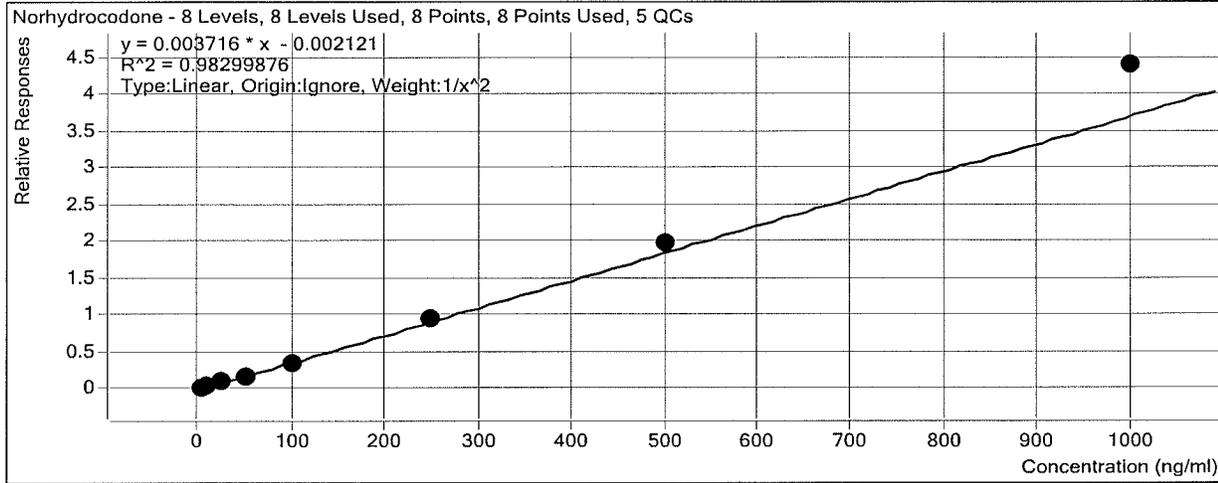
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.8	103.5
a QC 250	6	<input checked="" type="checkbox"/>	250	252.0	100.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.3	99.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.5	98.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	938.7	93.9

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



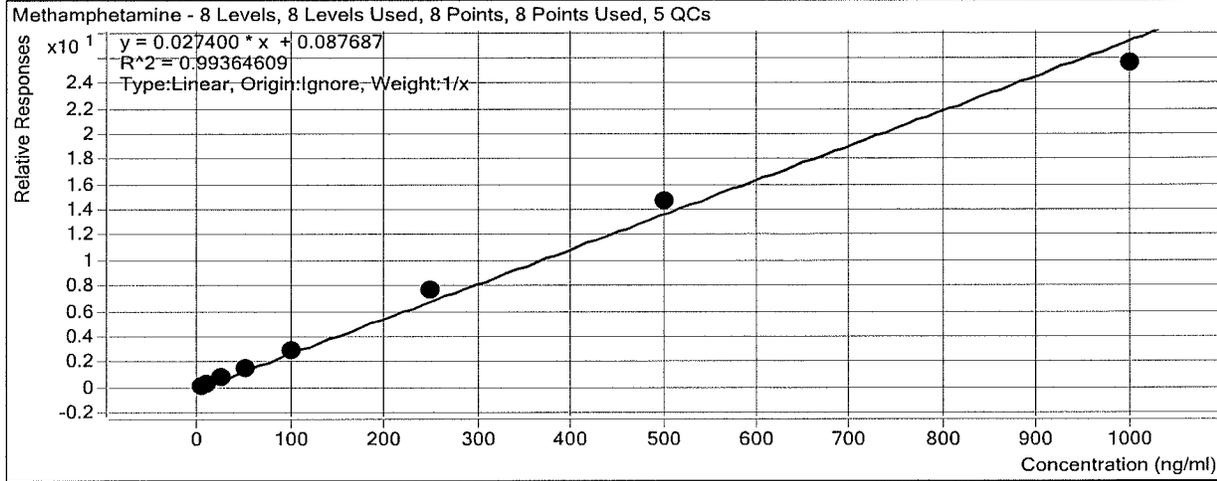
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.5	84.6
a QC 10	2	<input checked="" type="checkbox"/>	10	8.1	80.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.7	89.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.0	90.0
a qc 100	5	<input checked="" type="checkbox"/>	100	86.0	86.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	87.6	87.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.9	103.2
a QC 250	6	<input checked="" type="checkbox"/>	250	234.0	93.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	532.8	106.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1180.2	118.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1196.4	119.6

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



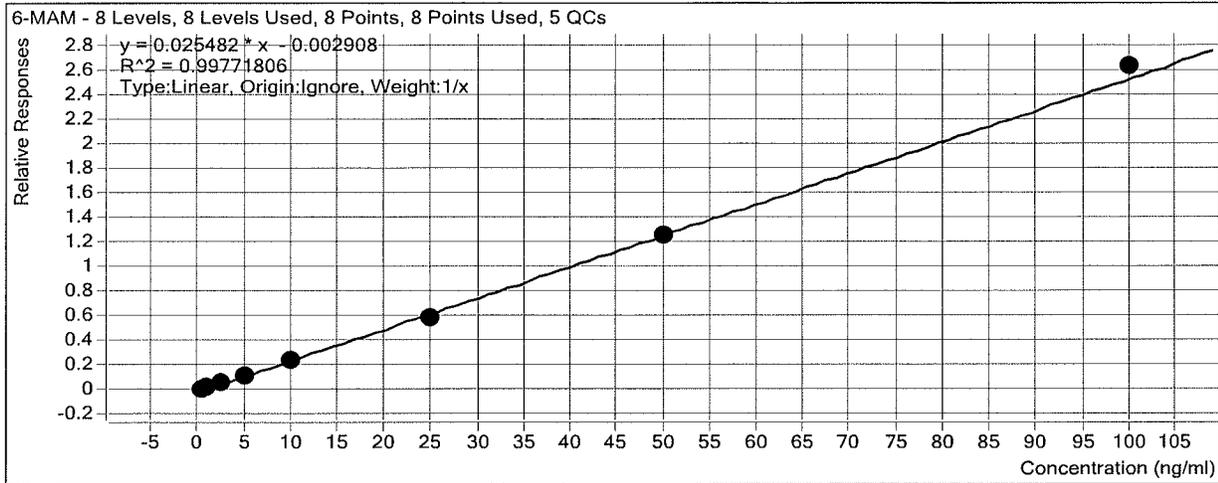
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.7	74.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.2	104.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.4	110.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a qc 100	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	275.6	110.2
a QC 250	6	<input checked="" type="checkbox"/>	250	259.5	103.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	537.0	107.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	929.8	93.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	943.8	94.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



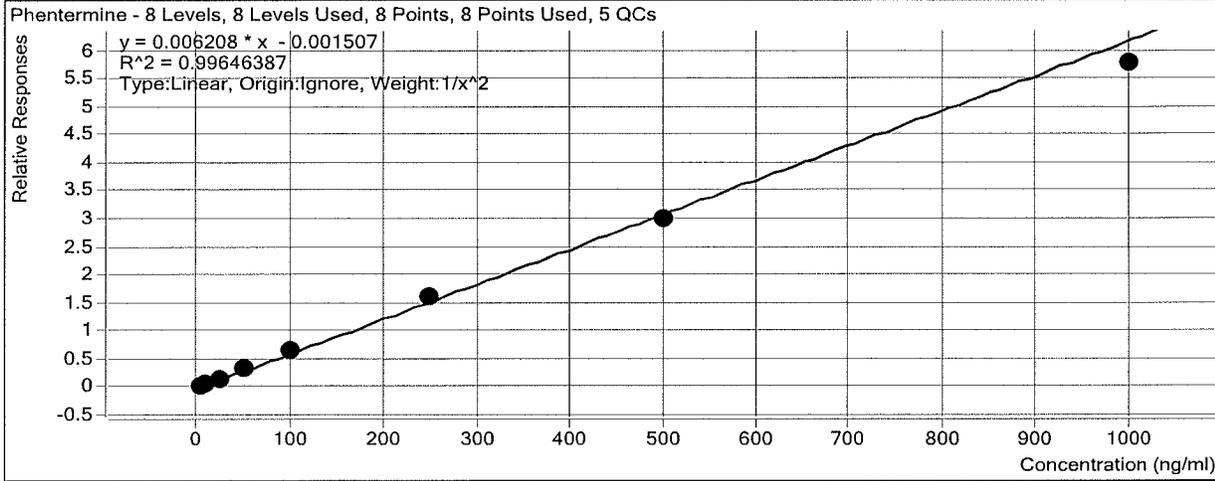
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	123.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	105.0
a QC 10	2	<input checked="" type="checkbox"/>	1	1.0	102.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	89.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.3	92.6
a qc 100	5	<input checked="" type="checkbox"/>	10	9.5	94.9
a qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.1	90.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.0	92.1
a QC 250	6	<input checked="" type="checkbox"/>	25	23.7	94.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.5	103.5
a qc 1000	8	<input checked="" type="checkbox"/>	100	95.8	95.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



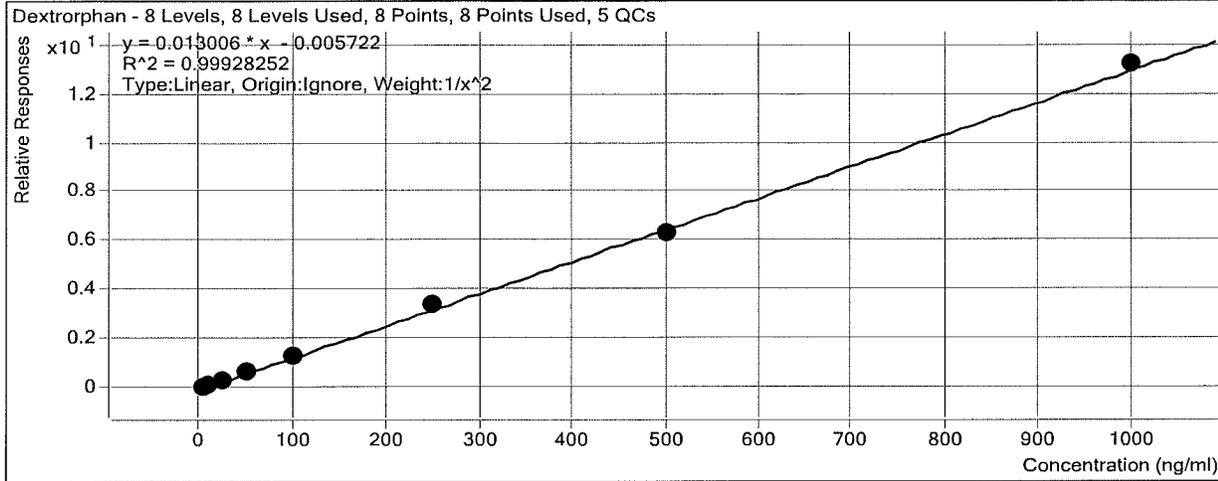
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.6	94.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.4	103.4
a qc 100	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.8	104.7
a QC 250	6	<input checked="" type="checkbox"/>	250	240.0	96.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.9	97.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	929.8	93.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	864.7	86.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	105.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a qc 100	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.7	103.5
a QC 250	6	<input checked="" type="checkbox"/>	250	268.6	107.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.1	97.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.1	101.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1006.4	100.6

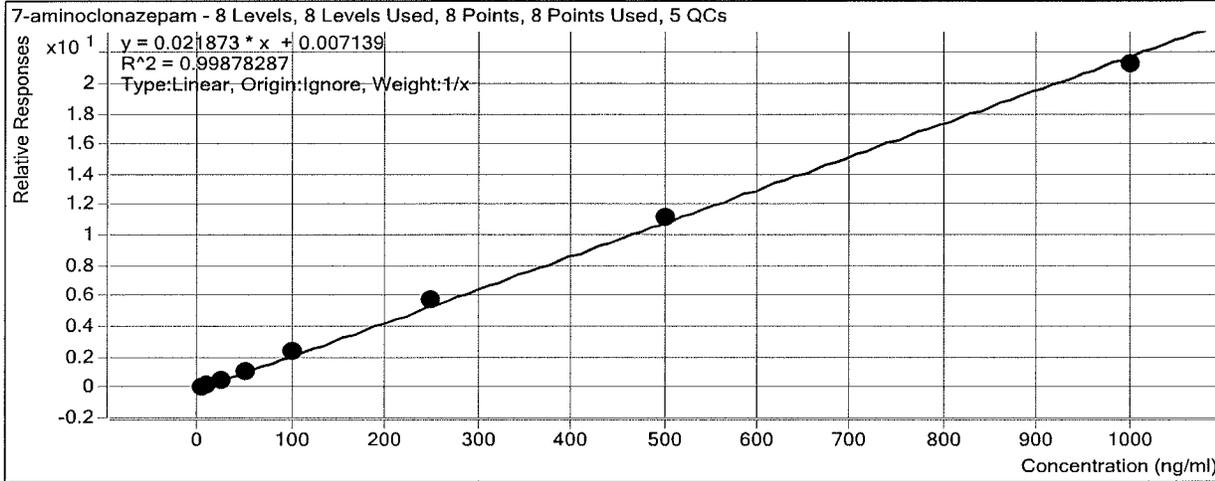
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM

Analyst Name ISP TOX

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



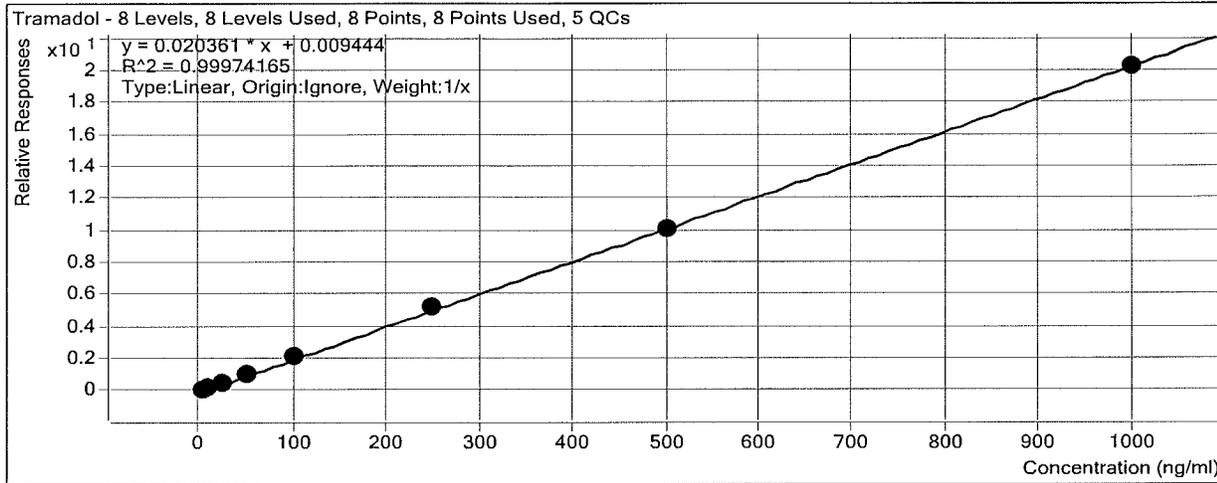
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	91.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.5	107.5
a qc 100	5	<input checked="" type="checkbox"/>	100	104.8	104.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	110.7	110.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.5	104.2
a QC 250	6	<input checked="" type="checkbox"/>	250	269.4	107.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.2	102.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	971.2	97.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	938.0	93.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



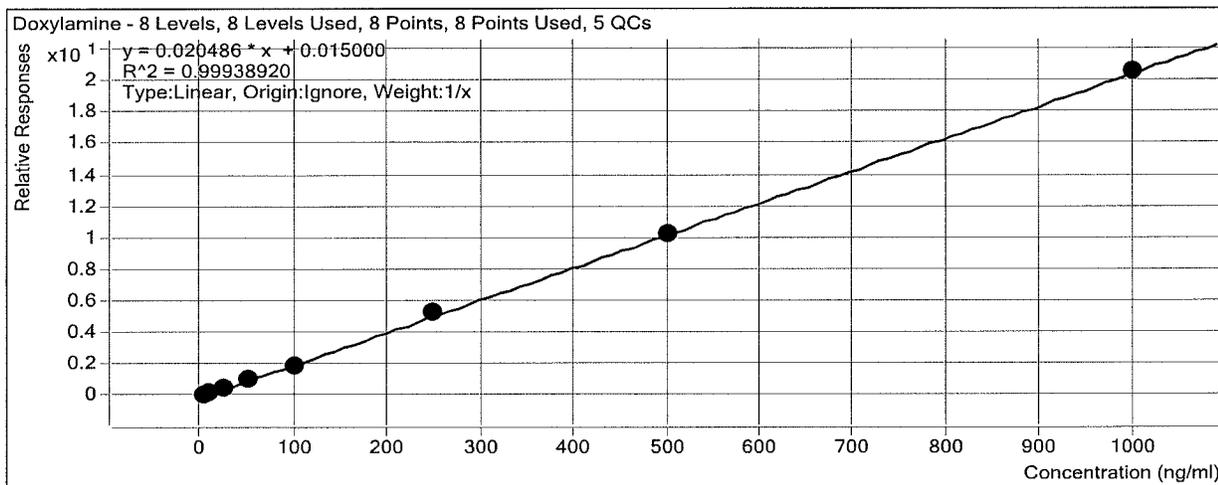
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a QC 250	6	<input checked="" type="checkbox"/>	250	260.9	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.4	99.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.8	99.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1007.6	100.8

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



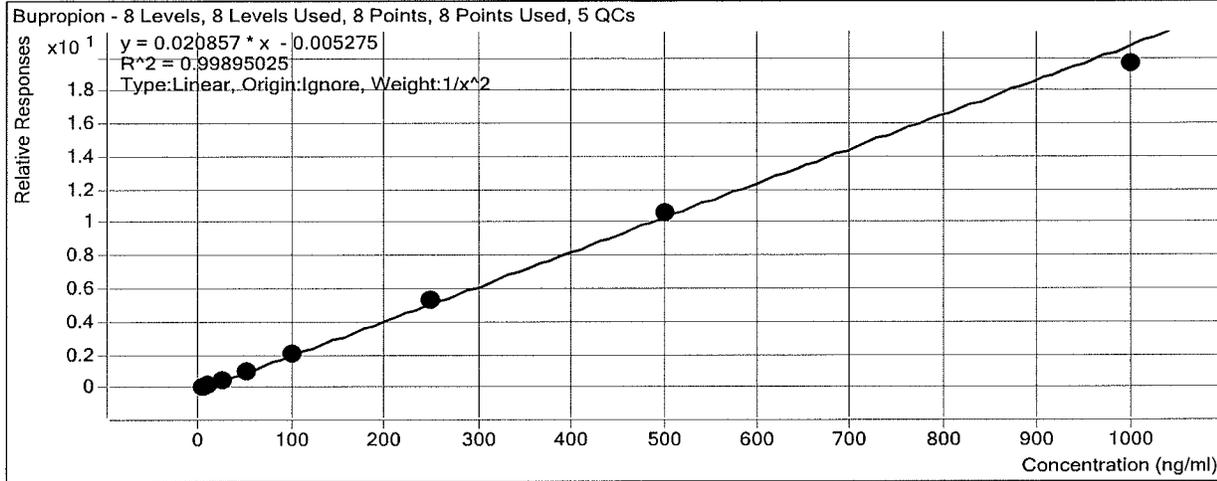
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	108.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	91.2	91.2
a qc 100	5	<input checked="" type="checkbox"/>	100	93.5	93.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.3	102.9
a QC 250	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.5	99.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.1	100.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	978.9	97.9

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



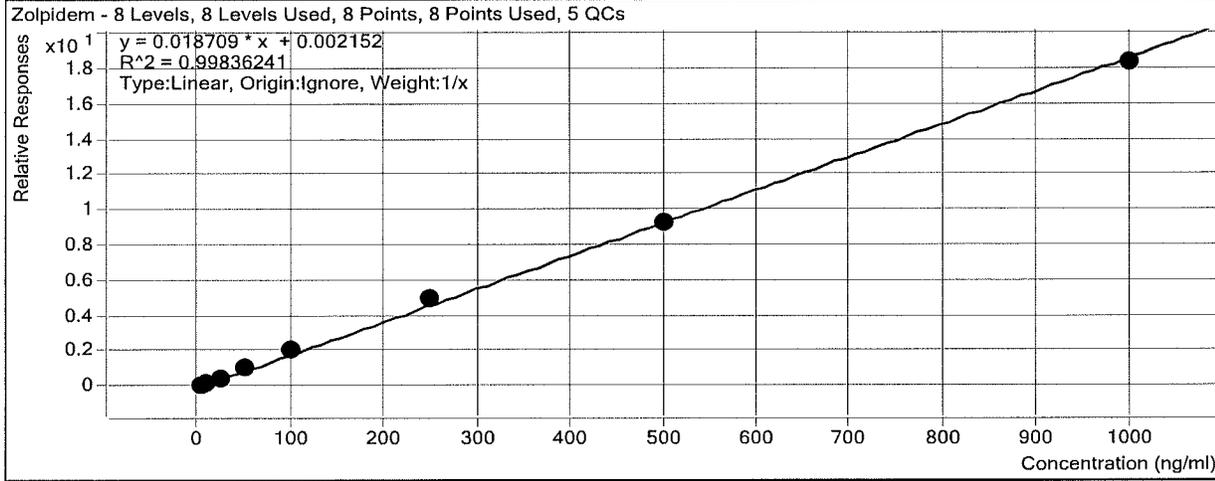
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.1
a QC 10	2	<input checked="" type="checkbox"/>	10	8.9	88.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	96.4	96.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.5	102.6
a QC 250	6	<input checked="" type="checkbox"/>	250	265.4	106.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.4	102.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	940.4	94.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	989.3	98.9

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound *Zolpidem*
Internal Standard *Zolpidem-D6*



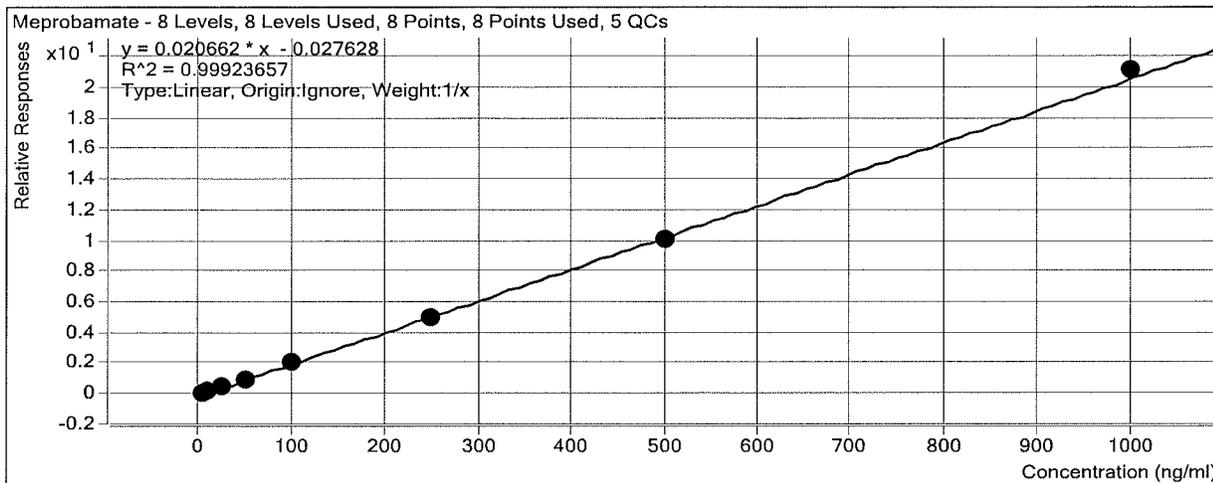
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	90.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.0	110.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.9	107.9
a qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.7	106.7
a QC 250	6	<input checked="" type="checkbox"/>	250	242.4	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.5	98.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.3	97.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	891.9	89.2

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



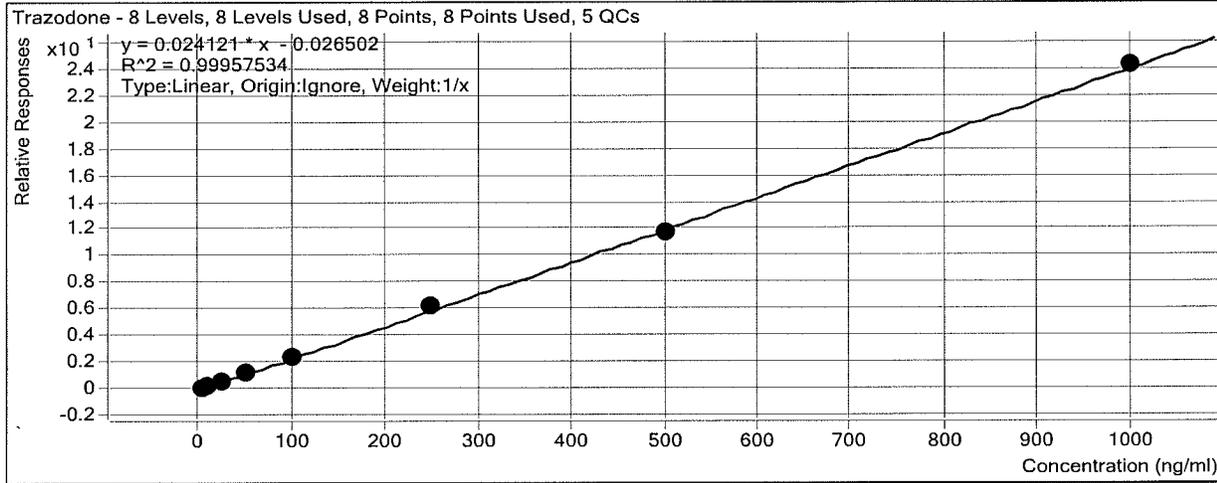
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	94.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a qc 100	5	<input checked="" type="checkbox"/>	100	90.4	90.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	94.6	94.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.2	97.7
a QC 250	6	<input checked="" type="checkbox"/>	250	247.8	99.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.7	97.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1022.0	102.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	906.6	90.7

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



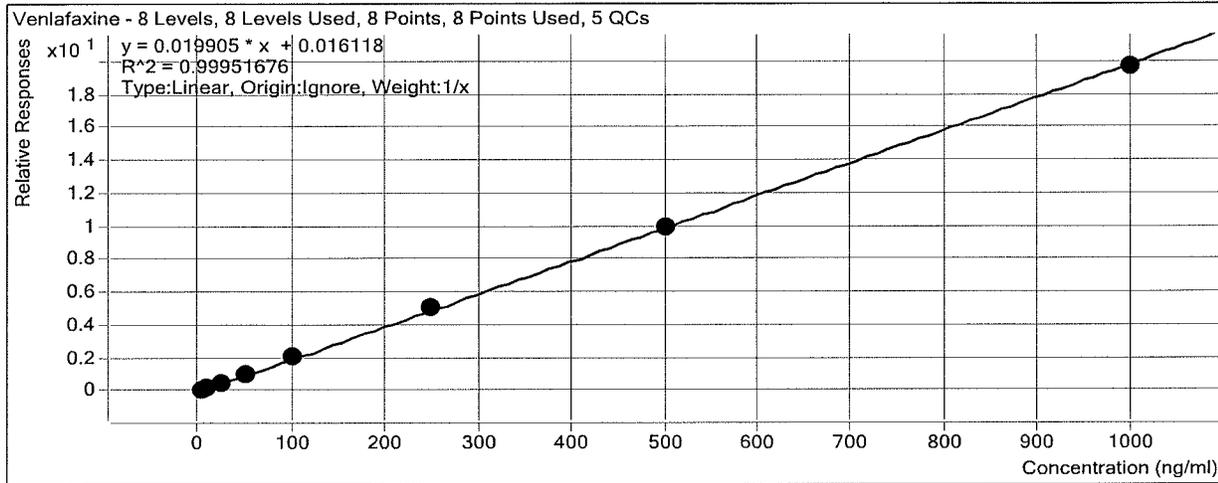
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.8	97.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.9	96.9
a qc 100	5	<input checked="" type="checkbox"/>	100	99.0	99.0
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.2	103.7
a QC 250	6	<input checked="" type="checkbox"/>	250	256.4	102.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.4	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.3	100.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	816.6	81.7

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound *Venlafaxine*
Internal Standard *Venlafaxine-D6*



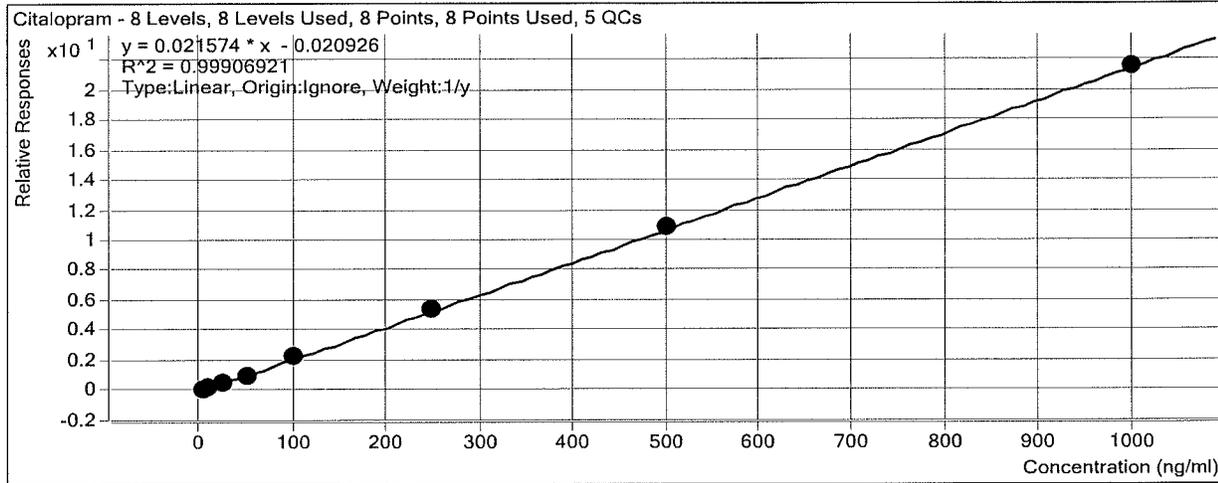
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.2	84.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.8	103.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.0	106.0
a qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	112.9	112.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
a QC 250	6	<input checked="" type="checkbox"/>	250	293.5	117.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.7	100.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	986.2	98.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1005.2	100.5

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound *Citalopram*
Internal Standard *Citalopram-D6*



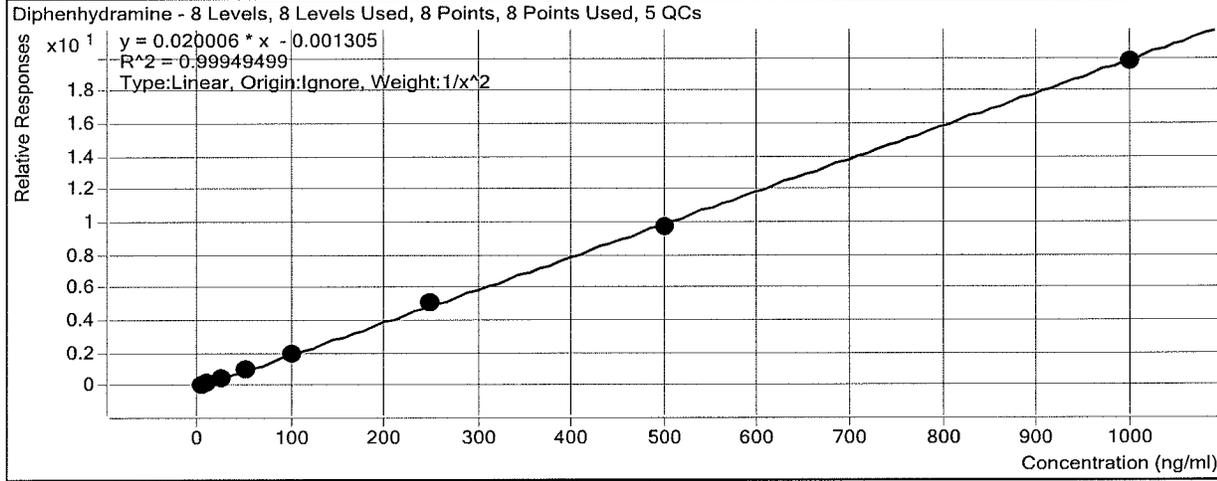
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.2	84.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.7	102.7
a qc 100	5	<input checked="" type="checkbox"/>	100	113.1	113.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a QC 250	6	<input checked="" type="checkbox"/>	250	252.6	101.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.4	100.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.9	100.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1172.8	117.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



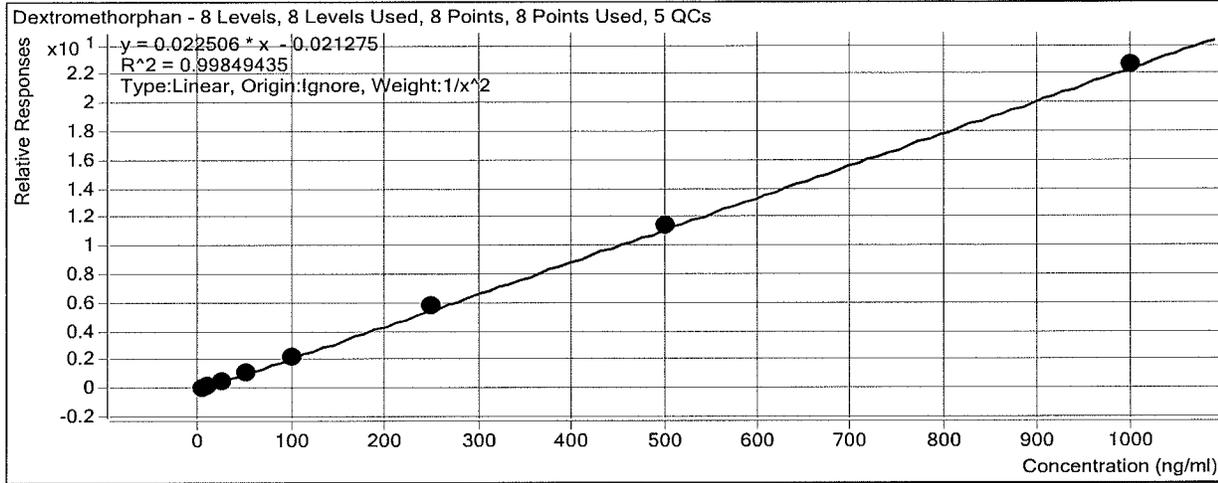
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.0	103.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
a qc 100	5	<input checked="" type="checkbox"/>	100	103.3	103.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	119.4	119.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250	6	<input checked="" type="checkbox"/>	250	264.3	105.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.8	97.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.6	98.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1018.6	101.9

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



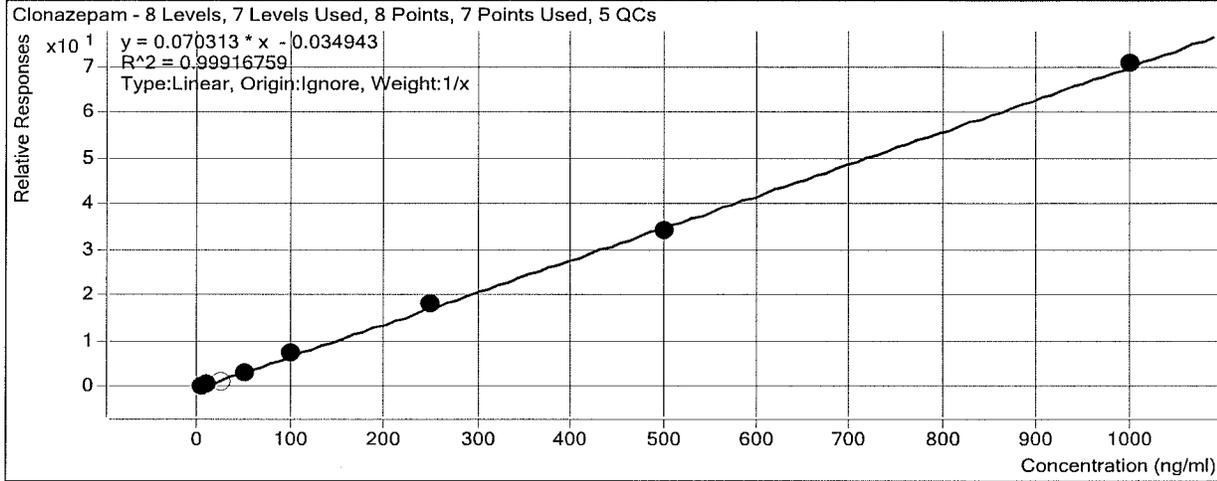
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a qc 100	5	<input checked="" type="checkbox"/>	100	104.3	104.3
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.2	104.5
a QC 250	6	<input checked="" type="checkbox"/>	250	265.2	106.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.4	101.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1005.8	100.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	989.4	98.9

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.4
a cal 3-25ng	3	<input type="checkbox"/>	25	13.6	54.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.9	91.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
a qc 100	5	<input checked="" type="checkbox"/>	100	113.5	113.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	108.8	108.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.6	104.2
a QC 250	6	<input checked="" type="checkbox"/>	250	299.5	119.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.6	96.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.4	100.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1117.8	111.8

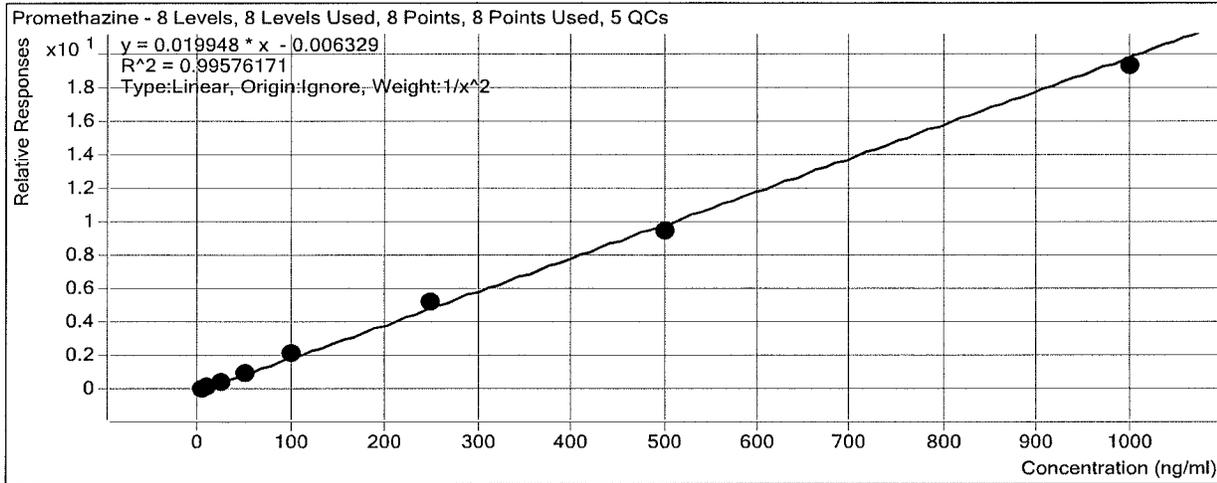
— Dropped top of peak flat

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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

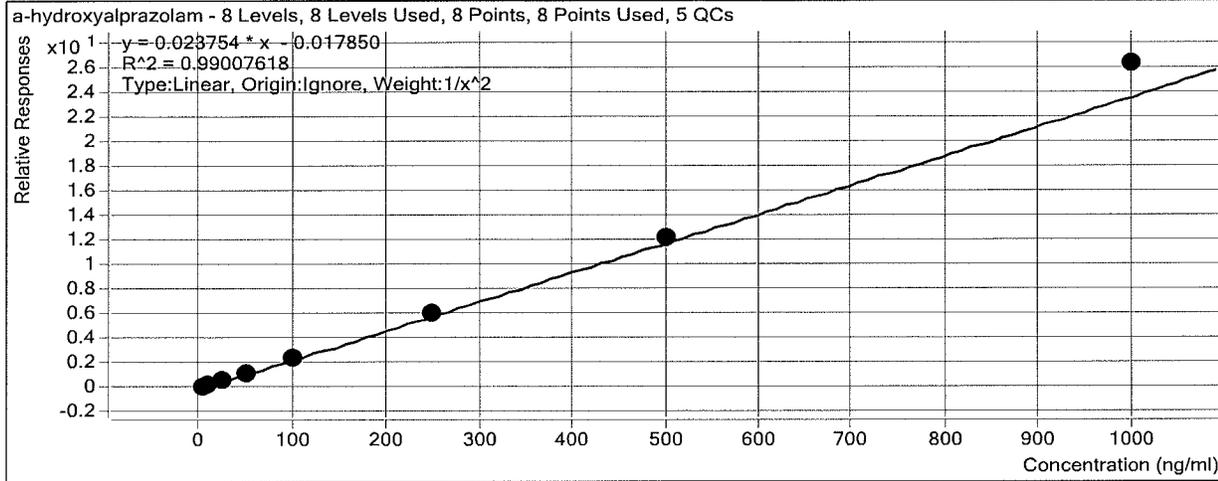


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.0	107.0
a qc 100	5	<input checked="" type="checkbox"/>	100	91.4	91.4
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	95.1	95.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	264.2	105.7
a QC 250	6	<input checked="" type="checkbox"/>	250	245.5	98.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.7	94.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	967.1	96.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	934.6	93.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Last Calib Update 7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



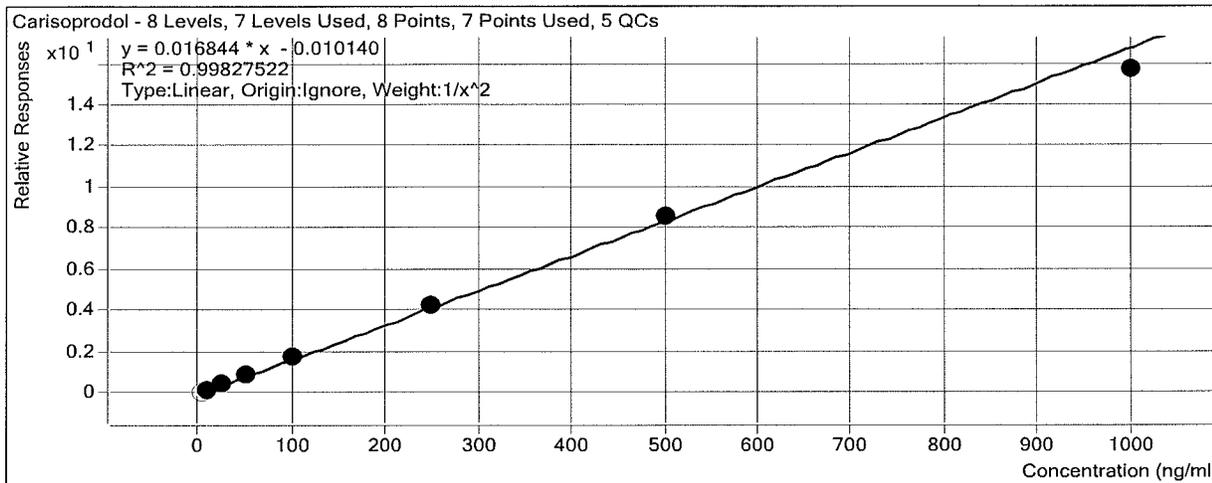
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.6	85.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.2	88.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a QC 250	6	<input checked="" type="checkbox"/>	250	290.8	116.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.4	102.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1108.4	110.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1024.2	102.4

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

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



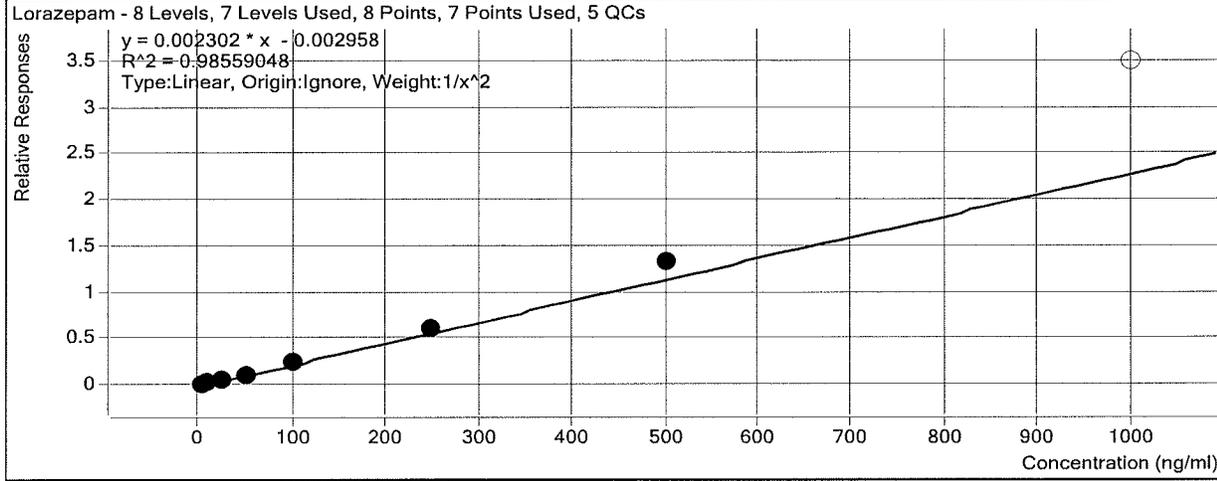
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	3.4	67.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a qc 100	5	<input checked="" type="checkbox"/>	100	93.5	93.5
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	92.6	92.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.6	101.0
a QC 250	6	<input checked="" type="checkbox"/>	250	232.8	93.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.3	101.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	932.0	93.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	960.1	96.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



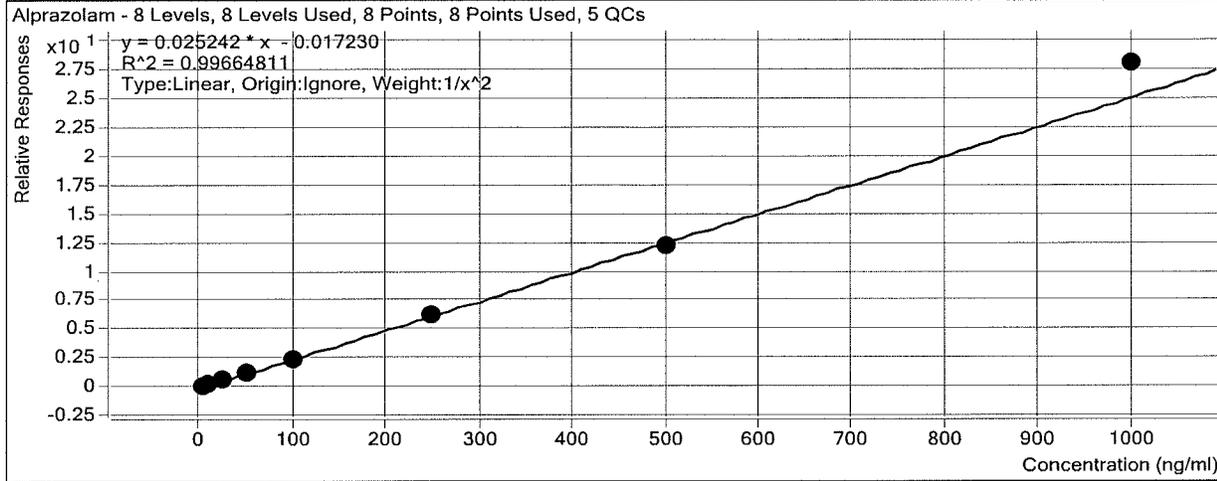
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	87.9
a QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.9	87.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
a qc 100	5	<input checked="" type="checkbox"/>	100	91.8	91.8
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	87.1	87.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.3	103.3
a QC 250	6	<input checked="" type="checkbox"/>	250	253.0	101.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	575.6	115.1
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1518.0	151.8
a qc 1000	8	<input type="checkbox"/>	1000	1370.6	137.1

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
7/12/2017 3:23 PM **Analyst Name** ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
a qc 100	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
a QC 250	6	<input checked="" type="checkbox"/>	250	253.2	101.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.5	97.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1111.5	111.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1009.5	101.0

ISP FORENSICS - Cd'A Instrument # 62340

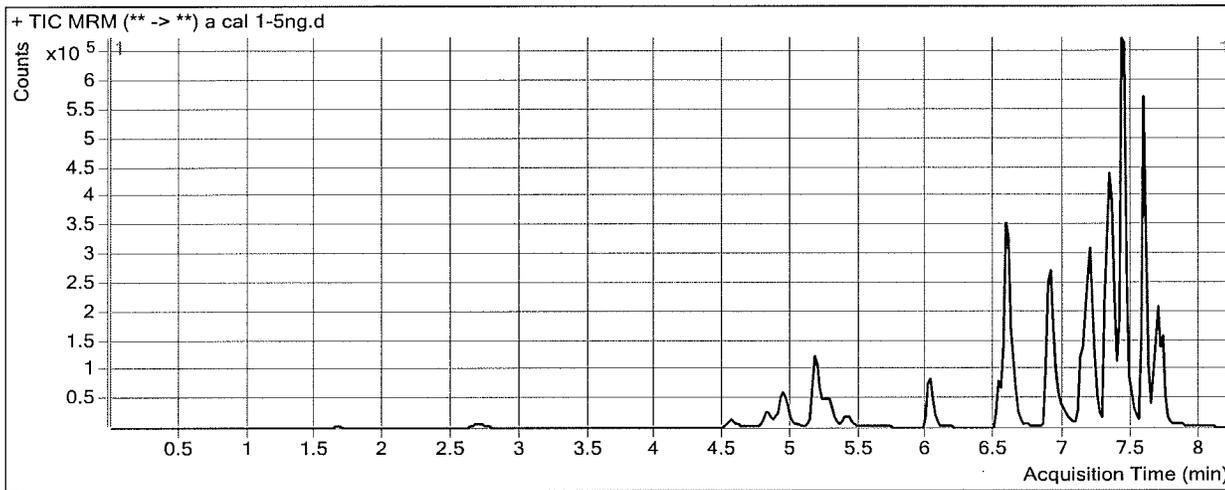
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 13:21 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	1514	3862	0.3921	5.8012
Hydromorphone	Hydromorphone-D6	2.728	7161	48466	0.1478	5.1839
Codeine	Codeine-D6	4.633	3666	28952	0.1266	6.3329
Amphetamine	Amphetamine-D11	4.964	88593	103667	0.8546	4.7455
Oxycodone	Oxycodone-D6	4.951	17184	170658	0.1007	5.1607
Hydrocodone	Hydrocodone-D6	5.215	12628	144549	0.0874	4.9047
Norhydrocodone	Norhydrocodone-D3	5.277	1179	64841	0.0182	5.4621
Methamphetamine	Methamphetamine-D11	5.281	66601	349879	0.1904	3.7470
6-MAM	6-MAM-D6	5.409	609	47405	0.0128	0.6182
Phentermine	Phentermine-D5	6.066	9142	319204	0.0286	4.8562
Dextrophan	Dextrophan-D3	6.524	13540	223811	0.0605	5.0915
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	13711	128183	0.1070	4.5639
Tramadol	Tramadol-13C-D3	6.600	108647	1021569	0.1064	4.7595
Doxylamine	Doxylamine-D5	6.903	110777	940594	0.1178	5.0167
Bupropion	Bupropion-D9	7.152	38968	390302	0.0998	5.0399
Zolpidem	Zolpidem-D6	7.203	71406	808656	0.0883	4.6048
Meprobamate	Meprobamate-D7	7.234	7641	86047	0.0888	5.6349
Trazodone	Trazodone-D6	7.376	58177	569311	0.1022	5.3351
Venlafaxine	Venlafaxine-D6	7.326	94438	944538	0.1000	4.2133
Citalopram	Citalopram-D6	7.418	58870	642785	0.0916	5.2151
Diphenhydramine	Diphenhydramine-D3	7.452	112282	1144536	0.0981	4.9689
Dextromethorphan	Dextromethorphan-D3	7.428	15339	164244	0.0934	5.0949
Clonazepam	Clonazepam-D4	7.623	5186	17085	0.3035	4.8138

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

acal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	112672	1168162	0.0965	5.1524
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	2717	24339	0.1116	5.4506
Carisoprodol	Carisoprodol-D7	7.713	19759	419702	0.0471	3.3969
Lorazepam	Alprazolam-D5	7.723	2489	260806	0.0095	5.4308
Alprazolam	Alprazolam-D5	7.727	29294	260806	0.1123	5.1323



ISP FORENSICS - Cd'A Instrument # 62340

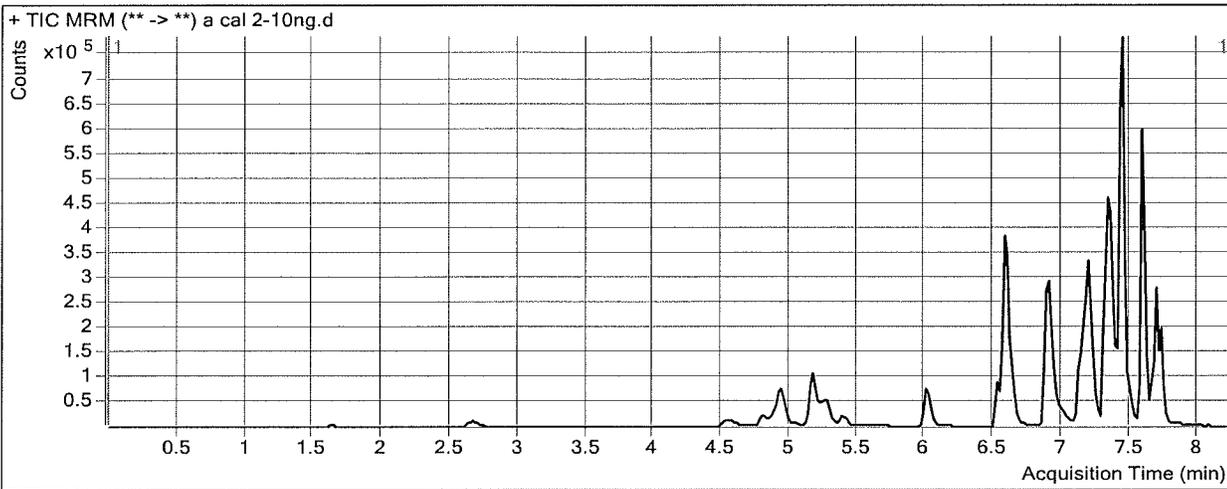
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin		
Analysis Time	7/12/2017 3:23 PM	Analyst Name	ISP Tox
Report Time	7/12/2017 3:29 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 3:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 13:47	Data File	a cal 2-10ng.d
Sample Type	Calibration	Sample Name	a cal 2-10ng
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-B1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	2946	3447	0.8547	10.9469
Hydromorphone	Hydromorphone-D6	2.668	14288	49685	0.2876	9.4718
Codeine	Codeine-D6	4.613	6863	28260	0.2429	10.4843
Amphetamine	Amphetamine-D11	4.944	119133	86433	1.3783	10.5858
Oxycodone	Oxycodone-D6	4.951	34297	174265	0.1968	9.4216
Hydrocodone	Hydrocodone-D6	5.195	24747	144639	0.1711	9.6203
Norhydrocodone	Norhydrocodone-D3	5.277	1816	61932	0.0293	8.4608
Methamphetamine	Methamphetamine-D11	5.281	90645	258228	0.3510	9.6109
6-MAM	6-MAM-D6	5.409	1104	46287	0.0238	1.0499
Phentermine	Phentermine-D5	6.046	16768	258512	0.0649	10.6919
Dextroprorphan	Dextroprorphan-D3	6.524	26111	218272	0.1196	9.6379
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	27997	129394	0.2164	9.5654
Tramadol	Tramadol-13C-D3	6.600	203923	956436	0.2132	10.0075
Doxylamine	Doxylamine-D5	6.903	216685	913892	0.2371	10.8414
Bupropion	Bupropion-D9	7.152	71837	360323	0.1994	9.8118
Zolpidem	Zolpidem-D6	7.203	138475	806770	0.1716	9.0594
Meprobamate	Meprobamate-D7	7.234	15036	82758	0.1817	10.1303
Trazodone	Trazodone-D6	7.376	122584	564658	0.2171	10.0988
Venlafaxine	Venlafaxine-D6	7.326	181403	802157	0.2261	10.5515
Citalopram	Citalopram-D6	7.418	130863	630743	0.2075	10.5867
Diphenhydramine	Diphenhydramine-D3	7.452	215392	1074953	0.2004	10.0810
Dextromethorphan	Dextromethorphan-D3	7.428	32253	160387	0.2011	9.8803
Clonazepam	Clonazepam-D4	7.623	10818	15184	0.7125	10.6295

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

a cal 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	210184	1147355	0.1832	9.5004
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	4783	25677	0.1863	8.5932
Carisoprodol	Carisoprodol-D7	7.693	68594	435613	0.1575	9.9502
Lorazepam	Alprazolam-D5	7.723	4377	253366	0.0173	8.7891
Alprazolam	Alprazolam-D5	7.727	56866	253366	0.2244	9.5741



ISP FORENSICS - Cd'A Instrument # 62340

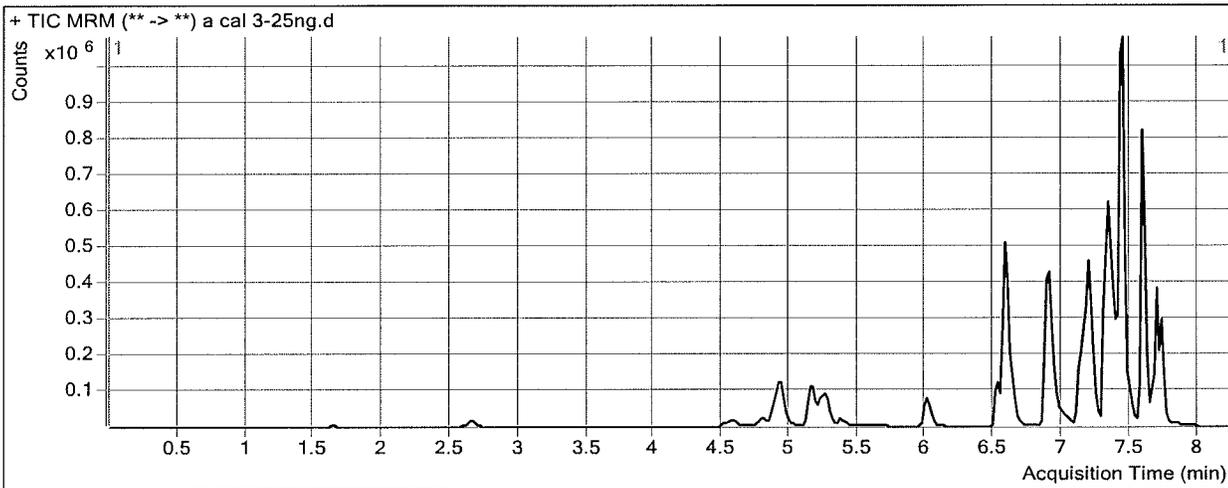
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 14:12 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	7535	3641	2.0697	24.4637
Hydromorphone	Hydromorphone-D6	2.668	37720	49124	0.7679	24.2027
Codeine	Codeine-D6	4.593	17372	29890	0.5812	22.5665
Amphetamine	Amphetamine-D11	4.944	248909	87175	2.8553	27.0556
Oxycodone	Oxycodone-D6	4.930	94736	177262	0.5344	24.3890
Hydrocodone	Hydrocodone-D6	5.195	65447	149544	0.4376	24.6312
Norhydrocodone	Norhydrocodone-D3	5.258	5577	62102	0.0898	24.7353
Methamphetamine	Methamphetamine-D11	5.263	214341	265737	0.8066	26.2373
6-MAM	6-MAM-D6	5.389	2599	48038	0.0541	2.2375
Phentermine	Phentermine-D5	6.046	42269	291139	0.1452	23.6304
Dextrophan	Dextrophan-D3	6.524	71548	223639	0.3199	25.0385
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	71825	131244	0.5473	24.6933
Tramadol	Tramadol-13C-D3	6.600	527370	1031582	0.5112	24.6437
Doxylamine	Doxylamine-D5	6.903	533458	1034864	0.5155	24.4301
Bupropion	Bupropion-D9	7.152	192287	374576	0.5133	24.8658
Zolpidem	Zolpidem-D6	7.203	376967	834193	0.4519	24.0394
Meprobamate	Meprobamate-D7	7.234	39519	86267	0.4581	23.5081
Trazodone	Trazodone-D6	7.376	342567	623023	0.5498	23.8938
Venlafaxine	Venlafaxine-D6	7.326	499364	973727	0.5128	24.9548
Citalopram	Citalopram-D6	7.418	374982	696575	0.5383	25.9219
Diphenhydramine	Diphenhydramine-D3	7.452	607149	1226999	0.4948	24.7993
Dextromethorphan	Dextromethorphan-D3	7.428	94973	189360	0.5015	23.2303
Clonazepam	Clonazepam-D4	7.643	15847	17263	0.9180	13.5529

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

accal 25

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	592324	1295953	0.4571	23.2291
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	13009	25499	0.5102	22.2284
Carisoprodol	Carisoprodol-D7	7.693	178319	440261	0.4050	24.6475
Lorazepam	Alprazolam-D5	7.723	12216	257111	0.0475	21.9256
Alprazolam	Alprazolam-D5	7.727	157440	257111	0.6123	24.9415

ISP FORENSICS - Cd'A Instrument # 62340

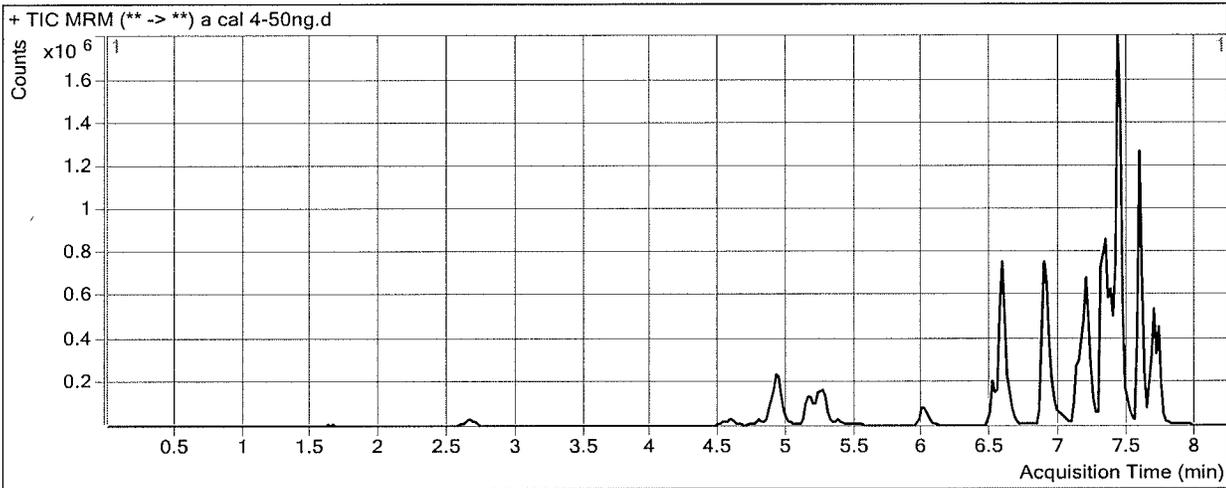
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin		
Analysis Time	7/12/2017 3:23 PM	Analyst Name	ISP Tox
Report Time	7/12/2017 3:29 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 3:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 14:38	Data File	a cal 4-50ng.d
Sample Type	Calibration	Sample Name	a cal 4-50ng
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	16221	3991	4.0647	46.6577
Hydromorphone	Hydromorphone-D6	2.668	81845	53286	1.5360	47.7610
Codeine	Codeine-D6	4.573	37914	31477	1.2045	44.8261
Amphetamine	Amphetamine-D11	4.924	481921	93426	5.1583	52.7374
Oxycodone	Oxycodone-D6	4.930	213388	188757	1.1305	50.8122
Hydrocodone	Hydrocodone-D6	5.175	148337	164683	0.9007	50.7113
Norhydrocodone	Norhydrocodone-D3	5.258	10708	65233	0.1642	44.7419
Methamphetamine	Methamphetamine-D11	5.263	450103	280396	1.6052	55.3850
6-MAM	6-MAM-D6	5.389	6052	51564	0.1174	4.7200
Phentermine	Phentermine-D5	6.046	97776	307015	0.3185	51.5455
Dextroprphan	Dextroprphan-D3	6.504	153727	241214	0.6373	49.4414
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	149890	131658	1.1385	51.7223
Tramadol	Tramadol-13C-D3	6.580	1149330	1109502	1.0359	50.4116
Doxylamine	Doxylamine-D5	6.903	1154021	1117827	1.0324	49.6611
Bupropion	Bupropion-D9	7.152	403903	384515	1.0504	50.6165
Zolpidem	Zolpidem-D6	7.183	879495	853187	1.0308	54.9847
Meprobamate	Meprobamate-D7	7.234	83677	88968	0.9405	46.8569
Trazodone	Trazodone-D6	7.376	778513	677201	1.1496	48.7580
Venlafaxine	Venlafaxine-D6	7.326	1091429	1041878	1.0476	51.8187
Citalopram	Citalopram-D6	7.418	683203	767831	0.8898	42.2126
Diphenhydramine	Diphenhydramine-D3	7.452	1359387	1309428	1.0382	51.9579
Dextromethorphan	Dextromethorphan-D3	7.428	206746	186298	1.1098	50.2545
Clonazepam	Clonazepam-D4	7.623	55161	17264	3.1951	45.9379

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

a cal 50

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	1396103	1345028	1.0380	52.3500
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	33384	28353	1.1774	50.3179
Carisoprodol	Carisoprodol-D7	7.693	388584	445834	0.8716	52.3460
Lorazepam	Alprazolam-D5	7.703	28780	266855	0.1078	48.1349
Alprazolam	Alprazolam-D5	7.727	319558	266855	1.1975	48.1233



ISP FORENSICS - Cd'A Instrument # 62340

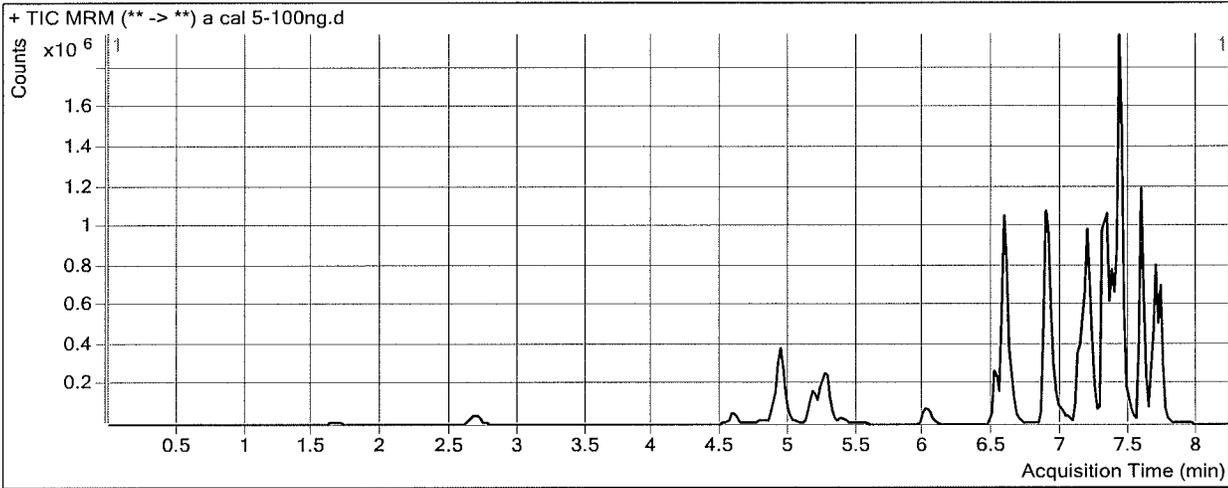
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 15:03 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	29777	3724	7.9950	90.3808
Hydromorphone	Hydromorphone-D6	2.688	154694	48258	3.2056	98.9698
Codeine	Codeine-D6	4.593	72578	28703	2.5286	92.1111
Amphetamine	Amphetamine-D11	4.944	738552	75803	9.7430	103.8625
Oxycodone	Oxycodone-D6	4.930	395445	171546	2.3052	102.8867
Hydrocodone	Hydrocodone-D6	5.195	268302	145913	1.8388	103.5379
Norhydrocodone	Norhydrocodone-D3	5.258	18799	56574	0.3323	89.9887
Methamphetamine	Methamphetamine-D11	5.263	644565	222298	2.8996	102.6227
6-MAM	6-MAM-D6	5.389	10960	47008	0.2331	9.2637
Phentermine	Phentermine-D5	6.046	158557	247487	0.6407	103.4480
Dextrorphan	Dextrorphan-D3	6.504	267139	206017	1.2967	100.1407
7-aminoclonazepam	7-Aminoclonazepam-D4	6.575	278171	117971	2.3580	107.4738
Tramadol	Tramadol-13C-D3	6.580	2069542	971531	2.1302	104.1548
Doxylamine	Doxylamine-D5	6.883	1996342	1060185	1.8830	91.1830
Bupropion	Bupropion-D9	7.152	687411	324887	2.1158	101.6994
Zolpidem	Zolpidem-D6	7.183	1535555	759930	2.0207	107.8919
Meprobamate	Meprobamate-D7	7.234	168063	81577	2.0602	101.0455
Trazodone	Trazodone-D6	7.376	1077891	466430	2.3109	96.9037
Venlafaxine	Venlafaxine-D6	7.326	1781055	837916	2.1256	105.9774
Citalopram	Citalopram-D6	7.418	1146086	522070	2.1953	102.7237
Diphenhydramine	Diphenhydramine-D3	7.452	1813663	905396	2.0032	100.1948
Dextromethorphan	Dextromethorphan-D3	7.428	283644	128376	2.2095	99.1181
Clonazepam	Clonazepam-D4	7.623	123652	17001	7.2734	103.9391

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

a cal 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	1702257	799746	2.1285	107.0171
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	64779	27010	2.3983	101.7148
Carisoprodol	Carisoprodol-D7	7.693	735415	434305	1.6933	101.1295
Lorazepam	Alprazolam-D5	7.703	55031	239529	0.2297	101.0881
Alprazolam	Alprazolam-D5	7.727	586674	239529	2.4493	97.7144



ISP FORENSICS - Cd'A Instrument # 62340

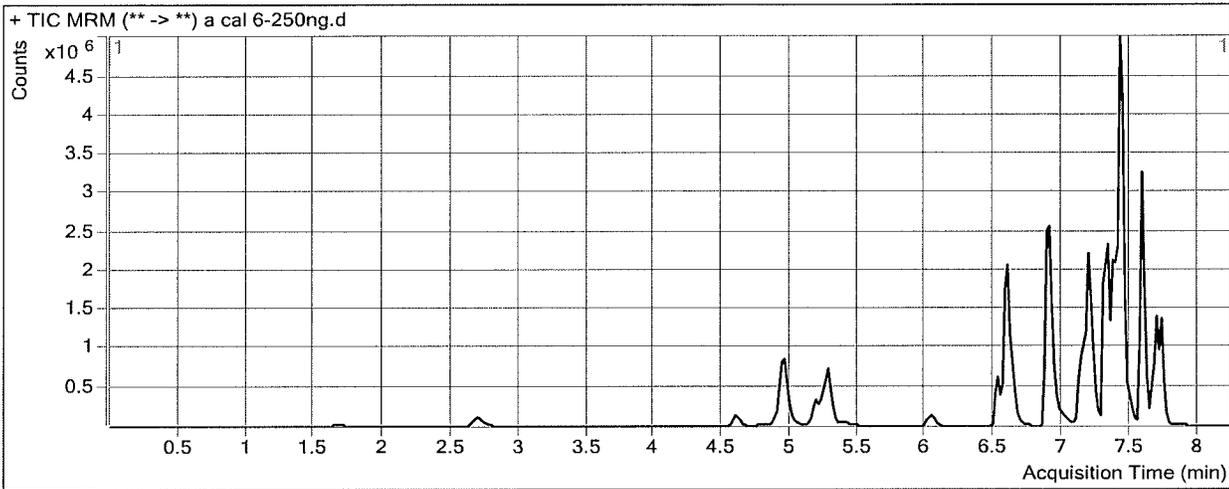
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin
Analysis Time 7/12/2017 3:23 PM **Analyst Name** ISP Tox
Report Time 7/12/2017 3:29 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 3:23 PM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 15:29 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1a 2-13-17.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	75259	3800	19.8032	221.7437
Hydromorphone	Hydromorphone-D6	2.708	400001	48152	8.3070	255.4330
Codeine	Codeine-D6	4.613	180441	27152	6.6457	239.1393
Amphetamine	Amphetamine-D11	4.944	1793835	81866	21.9118	239.5593
Oxycodone	Oxycodone-D6	4.951	1002612	178058	5.6308	250.3136
Hydrocodone	Hydrocodone-D6	5.195	669094	145615	4.5950	258.7570
Norhydrocodone	Norhydrocodone-D3	5.277	50493	52806	0.9562	257.8762
Methamphetamine	Methamphetamine-D11	5.281	1930066	252696	7.6379	275.5543
6-MAM	6-MAM-D6	5.409	27185	46549	0.5840	23.0326
Phentermine	Phentermine-D5	6.046	409791	252367	1.6238	261.8203
Dextroprphan	Dextroprphan-D3	6.524	704324	209685	3.3590	258.7062
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	648271	113621	5.7055	260.5173
Tramadol	Tramadol-13C-D3	6.600	5060210	966035	5.2381	256.7932
Doxylamine	Doxylamine-D5	6.903	5547044	1049327	5.2863	257.3062
Bupropion	Bupropion-D9	7.152	1678657	314144	5.3436	256.4573
Zolpidem	Zolpidem-D6	7.183	4089908	819405	4.9913	266.6782
Meprobamate	Meprobamate-D7	7.234	403355	80383	5.0179	244.1932
Trazodone	Trazodone-D6	7.376	3487299	560063	6.2266	259.2368
Venlafaxine	Venlafaxine-D6	7.326	4628180	910511	5.0831	254.5587
Citalopram	Citalopram-D6	7.418	3356188	620430	5.4095	251.7053
Diphenhydramine	Diphenhydramine-D3	7.452	5856705	1165682	5.0243	251.2062
Dextromethorphan	Dextromethorphan-D3	7.428	956217	163233	5.8580	261.2296
Clonazepam	Clonazepam-D4	7.623	279264	15269	18.2896	260.6119

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

a cal 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	5728877	1088374	5.2637	264.1823
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	142365	23884	5.9607	251.6798
Carisoprodol	Carisoprodol-D7	7.693	1497036	352720	4.2443	252.5723
Lorazepam	Alprazolam-D5	7.703	123278	208382	0.5916	258.2791
Alprazolam	Alprazolam-D5	7.727	1306637	208382	6.2704	249.0941



ISP FORENSICS - Cd'A Instrument # 62340

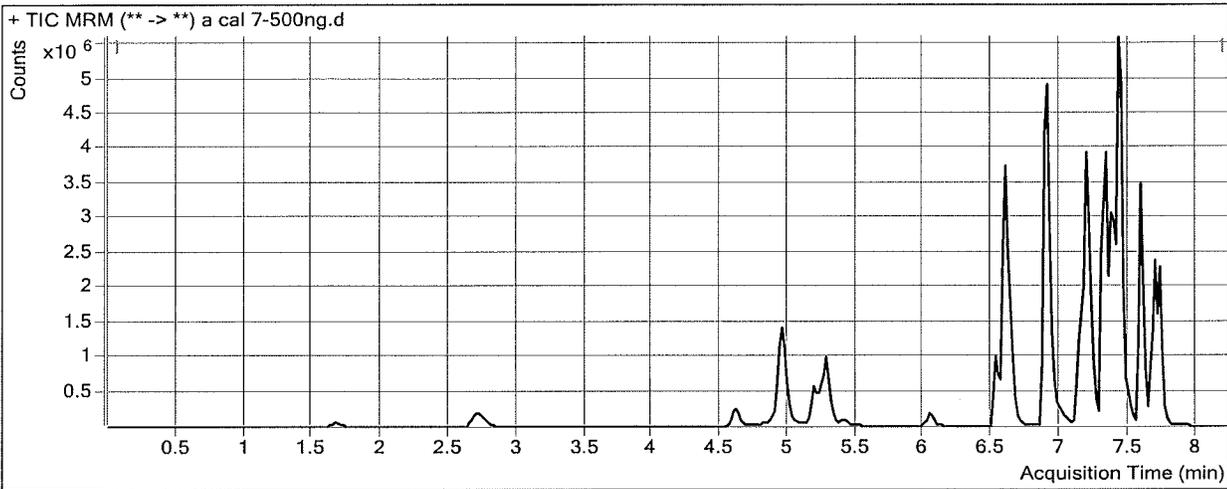
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin		
Analysis Time	7/12/2017 3:23 PM	Analyst Name	ISP Tox
Report Time	7/12/2017 3:29 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 3:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 15:54	Data File	a cal 7-500ng.d
Sample Type	Calibration	Sample Name	a cal 7-500ng
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.668	160985	3555	45.2785	505.1489
Hydromorphone	Hydromorphone-D6	2.708	799680	47516	16.8299	516.8358
Codeine	Codeine-D6	4.613	362182	26846	13.4912	483.6032
Amphetamine	Amphetamine-D11	4.964	2486989	63898	38.9213	429.2371
Oxycodone	Oxycodone-D6	4.951	2066077	183373	11.2671	500.1728
Hydrocodone	Hydrocodone-D6	5.195	1318592	148715	8.8666	499.3197
Norhydrocodone	Norhydrocodone-D3	5.277	96809	48942	1.9780	532.8385
Methamphetamine	Methamphetamine-D11	5.281	2384615	161097	14.8023	537.0298
6-MAM	6-MAM-D6	5.409	58011	45983	1.2616	49.6235
Phentermine	Phentermine-D5	6.046	623213	206702	3.0150	485.9363
Dextroprorphan	Dextroprorphan-D3	6.524	1130946	178324	6.3421	488.0761
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	1212769	108598	11.1675	510.2239
Tramadol	Tramadol-13C-D3	6.600	9567586	947552	10.0972	495.4324
Doxylamine	Doxylamine-D5	6.903	11209255	1093842	10.2476	499.4817
Bupropion	Bupropion-D9	7.152	2422497	227699	10.6391	510.3535
Zolpidem	Zolpidem-D6	7.183	7925006	858250	9.2339	493.4511
Meprobamate	Meprobamate-D7	7.234	809905	80765	10.0280	486.6693
Trazodone	Trazodone-D6	7.376	4891605	414426	11.8033	490.4308
Venlafaxine	Venlafaxine-D6	7.326	7959050	795740	10.0021	501.6857
Citalopram	Citalopram-D6	7.418	4117162	379839	10.8392	503.3819
Diphenhydramine	Diphenhydramine-D3	7.452	7093135	729912	9.7178	485.8144
Dextromethorphan	Dextromethorphan-D3	7.428	1067677	93487	11.4206	508.3910
Clonazepam	Clonazepam-D4	7.623	529726	15561	34.0412	484.6315

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

a cal 500

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	6069331	641412	9.4625	474.6623
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	283451	23368	12.1300	511.3935
Carisoprodol	Carisoprodol-D7	7.693	2696154	314659	8.5685	509.2897
Lorazepam	Alprazolam-D5	7.703	252101	190683	1.3221	575.6107
Alprazolam	Alprazolam-D5	7.727	2333516	190683	12.2377	485.4962

ISP FORENSICS - Cd'A Instrument # 62340

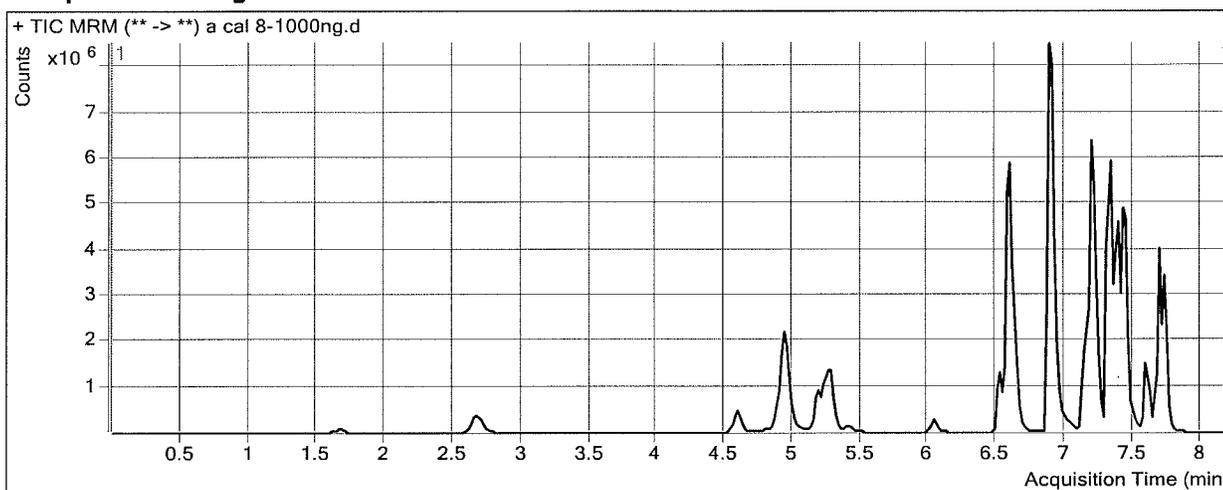
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\71117mdq p1a\QuantResults\mdq p1a 71117.batch.bin		
Analysis Time	7/12/2017 3:23 PM	Analyst Name	ISP Tox
Report Time	7/12/2017 3:29 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 3:23 PM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 16:19	Data File	a cal 8-1000ng.d
Sample Type	Calibration	Sample Name	a cal 8-1000ng
Dilution	1	Acq Method	Quant Panel 1a 2-13-17.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.651	278135	2974	93.5137	1041.7509
Hydromorphone	Hydromorphone-D6	2.668	1449986	42477	34.1357	1047.6195
Codeine	Codeine-D6	4.593	662970	22784	29.0978	1040.9366
Amphetamine	Amphetamine-D11	4.944	3827790	54133	70.7107	783.7281
Oxycodone	Oxycodone-D6	4.930	3847640	167655	22.9498	1018.0742
Hydrocodone	Hydrocodone-D6	5.195	2306297	131389	17.5532	988.5180
Norhydrocodone	Norhydrocodone-D3	5.277	166423	37964	4.3837	1180.1893
Methamphetamine	Methamphetamine-D11	5.263	3496100	136756	25.5646	929.8129
6-MAM	6-MAM-D6	5.409	109164	41456	2.6333	103.4546
Phentermine	Phentermine-D5	6.046	985000	170696	5.7705	929.8164
Dextrophan	Dextrophan-D3	6.524	1643259	124517	13.1971	1015.1449
7-aminoclonazepam	7-Aminoclonazepam-D4	6.595	1955981	92040	21.2515	971.2400
Tramadol	Tramadol-13C-D3	6.600	17252989	852227	20.2446	993.7974
Doxylamine	Doxylamine-D5	6.883	17948335	873652	20.5440	1002.0798
Bupropion	Bupropion-D9	7.152	3195589	162979	19.6074	940.3505
Zolpidem	Zolpidem-D6	7.183	14142159	771815	18.3233	979.2905
Meprobamate	Meprobamate-D7	7.234	1466334	69533	21.0882	1021.9619
Trazodone	Trazodone-D6	7.376	7184721	296599	24.2237	1005.3431
Venlafaxine	Venlafaxine-D6	7.326	12997149	661533	19.6470	986.2399
Citalopram	Citalopram-D6	7.418	3740062	173540	21.5515	999.9113
Diphenhydramine	Diphenhydramine-D3	7.452	6567286	332082	19.7761	988.5831
Dextromethorphan	Dextromethorphan-D3	7.428	782882	34617	22.6156	1005.8094
Clonazepam	Clonazepam-D4	7.623	978120	13856	70.5905	1004.4363

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

a cal 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.587	2814077	145915	19.2857	967.0938
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.681	547057	20791	26.3120	1108.4149
Carisoprodol	Carisoprodol-D7	7.693	3992808	254504	15.6886	931.9929
Lorazepam	Alprazolam-D5	7.723	460897	132011	3.4914	1517.9509
Alprazolam	Alprazolam-D5	7.727	3701443	132011	28.0389	1111.4862

ISP FORENSICS - Cd'A Instrument # 62340

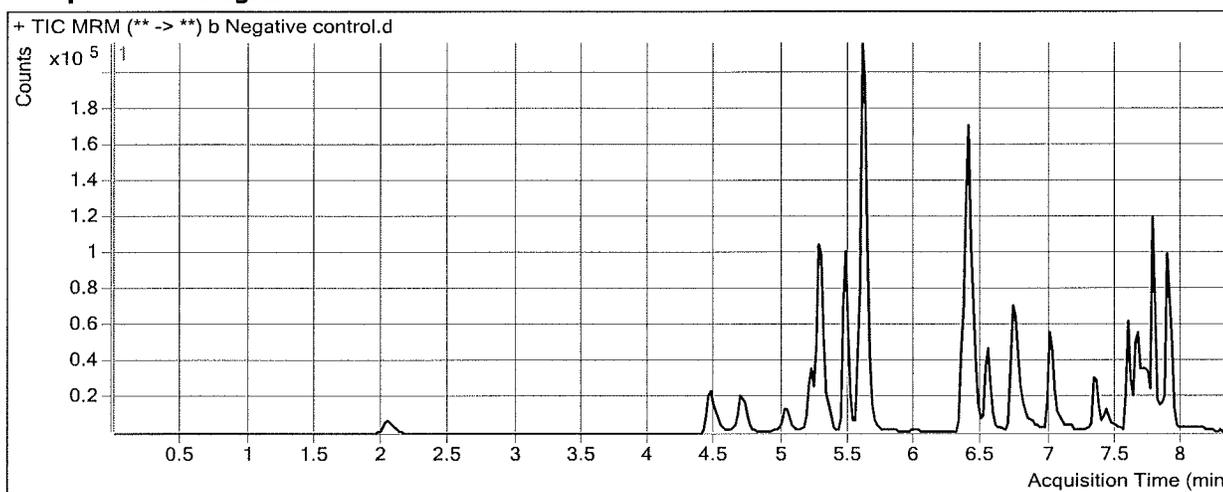
Multi-Drug Confirmatory Analysis Report

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Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 17:10 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Ketamine	Ketamine-D4	6.382	1272	242891	0.0052	0.6492 < 5
alpha-PVP	alpha-PVP-d8	6.749	2941	342424	0.0086	0.6279 < 5
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.040	510	178004	0.0029	0.2644 < 5

ISP FORENSICS - Cd'A Instrument # 62340

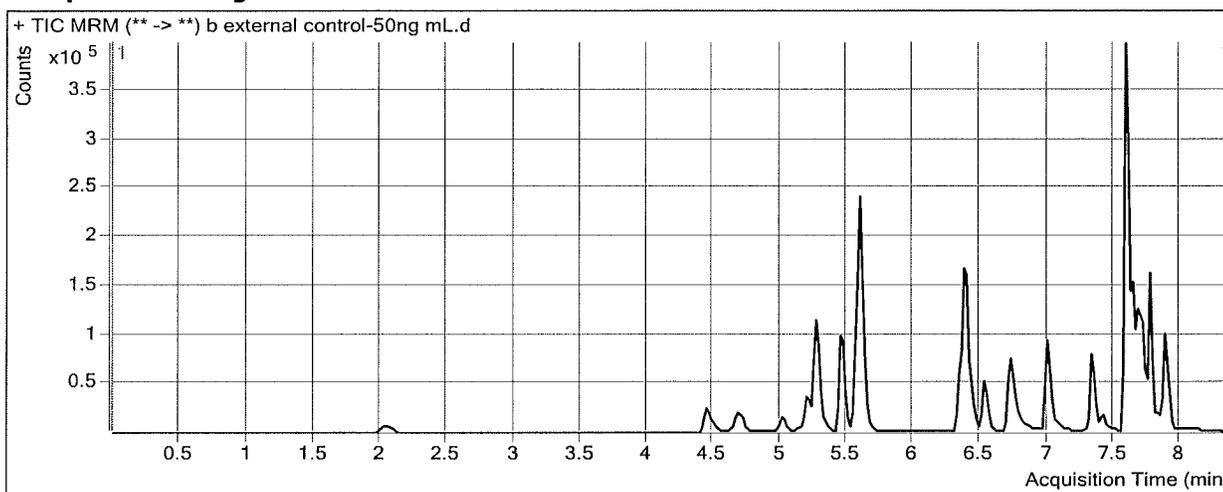
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin
Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 17:36 **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 11-18-2016.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** AM 28: lot 81017 50 ng quetiapine

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Quetiapine	Quetiapine-D8	7.580	511448	128918	3.9672	54.8938

ISP FORENSICS - Cd'A Instrument # 62340

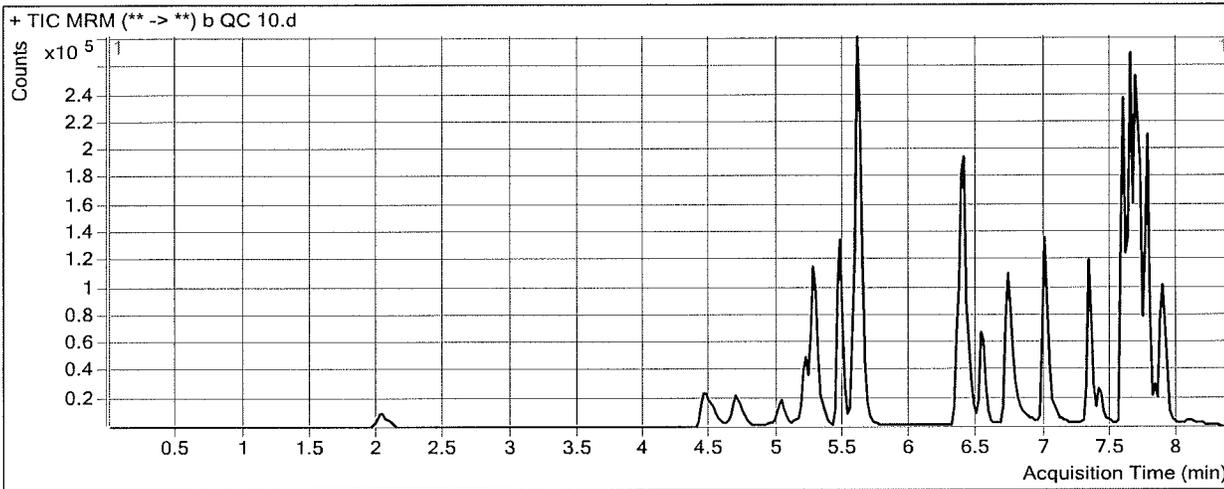
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin
Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 18:01 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-A2 **Sample Info**
Inj Vol -i **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	8980	42129	0.2132	9.6974 <i>Not evaluated at this range</i>
Dihydrocodeine	Dihydrocodeine-D6	4.516	20442	105078	0.1945	9.6144
Naloxone	Naloxone-D5	4.733	14255	93026	0.1532	10.1994
Noroxycodone	Noroxycodone-D3	5.057	13753	63286	0.2173	10.1025
Naltrexone	Naltrexone-D3	5.212	25673	131325	0.1955	9.9224
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	8201	415555	0.0197	0.9432
Naltrexol	Naltrexol-D3	5.471	78204	328702	0.2379	9.1977
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.618	162300	790807	0.2052	9.9382
Ketamine	Ketamine-D4	6.361	57821	260734	0.2218	9.7204
Norfentanyl	Norfentanyl-D5	6.424	8975	498643	0.0180	1.3082 <i>not evaluated at this range</i>
alpha-PVP	alpha-PVP-d8	6.729	84493	401575	0.2104	9.6517
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	7325	421796	0.0174	1.0467
Norbuprenorphine	Norbuprenorphine-D3	7.295	105	5410	0.0194	1.6726 <i>not evaluated at this range</i>
Fentanyl	Fentanyl-D5	7.319	6939	308308	0.0225	1.0056
EDDP	EDDP-D3	7.431	10301	53258	0.1934	9.4839
Buprenorphine	Buprenorphine-D4	7.757	2001	68686	0.0291	1.0412
Quetiapine	Quetiapine-D8	7.580	124383	172821	0.7197	9.8972
Sufentanil	Sufentanil-D5	7.579	4861	233207	0.0208	1.0595
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	32262	145663	0.2215	9.8026
Methadone	Methadone-D9	7.643	69518	366632	0.1896	10.1976
Fluoxetine	Fluoxetine-D6	7.685	82791	399927	0.2070	9.7958
Oxazepam	Oxazepam-D5	7.730	6181	28916	0.2138	10.3063
Sertraline	Sertraline-D3	7.746	23158	123166	0.1880	9.9544

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

b
ac 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	48291	242054	0.1995	11.6667
Nordiazepam	Nordiazepam-D5	7.836	10608	30705	0.3455	10.1790
Diazepam	Diazepam-D5	7.911	24720	214987	0.1150	5.1808

Not evaluated
top of peak
flat. A

ISP FORENSICS - Cd'A Instrument # 62340

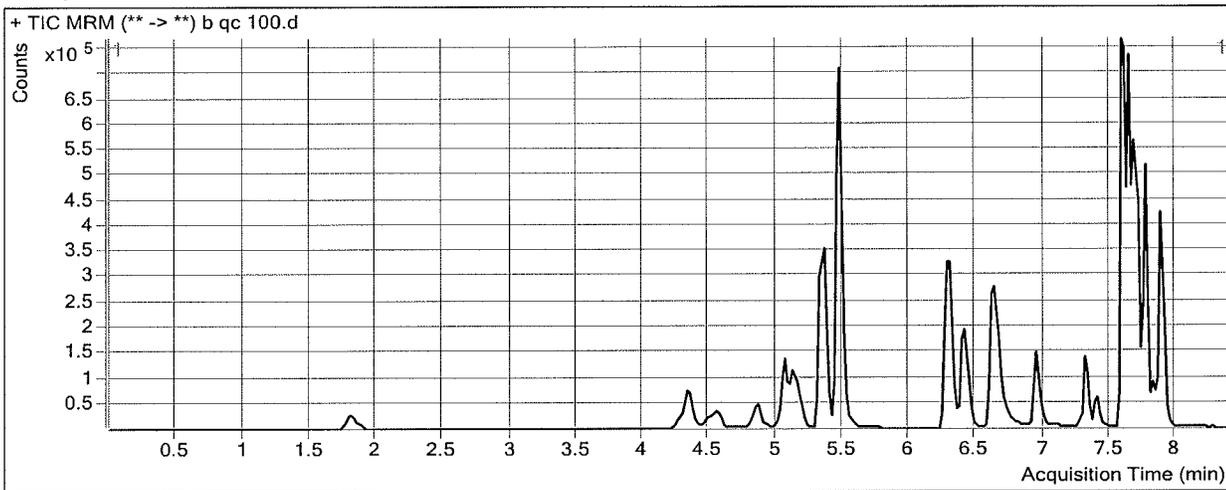
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin
Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 21:36 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.828	86838	36805	2.3594	97.6795 <i>Not evaluated</i>
Dihydrocodeine	Dihydrocodeine-D6	4.355	193371	90245	2.1427	109.2502
Naloxone	Naloxone-D5	4.569	109497	81927	1.3365	80.7165
Noroxycodone	Noroxycodone-D3	4.878	117139	52856	2.2162	98.3910
Naltrexone	Naltrexone-D3	5.071	214974	94668	2.2708	109.1695
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.184	79598	358934	0.2218	9.9898
Naltrexol	Naltrexol-D3	5.350	693013	274351	2.5260	102.9483
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	1644881	735499	2.2364	107.7358
Ketamine	Ketamine-D4	6.281	540755	220016	2.4578	103.3987
Norfentanyl	Norfentanyl-D5	6.324	91589	457111	0.2004	9.2284
alpha-PVP	alpha-PVP-d8	6.648	740805	329299	2.2496	100.8321
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	71915	384736	0.1869	10.1937
Norbuprenorphine	Norbuprenorphine-D3	7.255	1399	6567	0.2131	11.3190
Fentanyl	Fentanyl-D5	7.319	61780	302083	0.2045	8.7942
EDDP	EDDP-D3	7.410	97141	46174	2.1038	99.0188
Buprenorphine	Buprenorphine-D4	7.817	18135	67247	0.2697	8.2463
Quetiapine	Quetiapine-D8	7.580	1140066	145808	7.8190	108.2626
Sufentanil	Sufentanil-D5	7.579	48520	215948	0.2247	10.9167
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	265862	118663	2.2405	97.5396
Methadone	Methadone-D9	7.643	591889	307295	1.9261	98.8704
Fluoxetine	Fluoxetine-D6	7.685	748925	354412	2.1131	95.9695
Oxazepam	Oxazepam-D5	7.730	46621	24445	1.9071	85.0316
Sertraline	Sertraline-D3	7.746	181206	87102	2.0804	92.9174

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

b qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	367894	170199	2.1616	98.3176
Nordiazepam	Nordiazepam-D5	7.836	91965	25018	3.6759	104.4380
Diazepam	Diazepam-D5	7.891	430807	170369	2.5287	101.4997



ISP FORENSICS - Cd'A Instrument # 62340

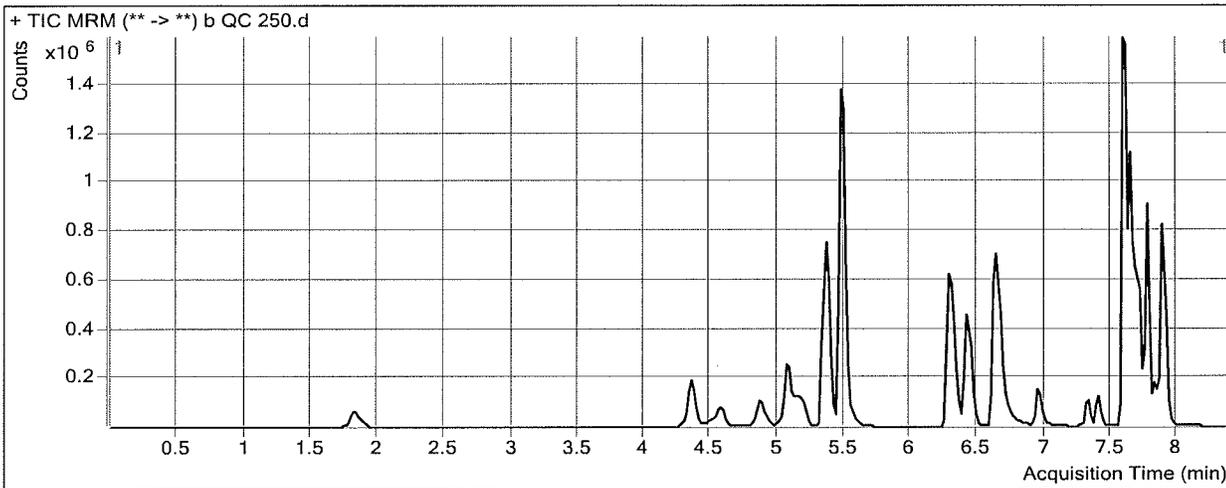
Multi-Drug Confirmatory Analysis Report

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Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 23:30 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.848	231066	37482	6.1647	253.6750 <i>Not evaluated</i>
Dihydrocodeine	Dihydrocodeine-D6	4.355	496214	92876	5.3428	272.9099
Naloxone	Naloxone-D5	4.569	288388	80788	3.5697	213.7973
Noroxycodone	Noroxycodone-D3	4.878	312734	51830	6.0339	267.0135
Naltrexone	Naltrexone-D3	5.092	431584	86535	4.9874	239.0822
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.204	212933	356502	0.5973	26.8055
Naltrexol	Naltrexol-D3	5.350	1667622	266147	6.2658	256.1796
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	4161710	756115	5.5041	265.0670
Ketamine	Ketamine-D4	6.281	1404942	233048	6.0286	252.9947
Norfentanyl	Norfentanyl-D5	6.324	254551	459256	0.5543	24.5984
alpha-PVP	alpha-PVP-d8	6.648	2023907	340862	5.9376	265.7324
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	136631	289263	0.4723	25.5916
Norbuprenorphine	Norbuprenorphine-D3	7.255	2935	5566	0.5272	26.9575
Fentanyl	Fentanyl-D5	7.319	94790	170058	0.5574	23.8956
EDDP	EDDP-D3	7.410	245845	44415	5.5352	259.8355
Buprenorphine	Buprenorphine-D4	7.797	28738	41699	0.6892	20.8125
Quetiapine	Quetiapine-D8	7.580	2808350	143422	19.5810	271.2343
Sufentanil	Sufentanil-D5	7.579	69326	114202	0.6070	29.4069
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	381776	65558	5.8235	253.2424
Methadone	Methadone-D9	7.643	1074530	209511	5.1288	262.4088
Fluoxetine	Fluoxetine-D6	7.705	993845	182284	5.4522	246.9226
Oxazepam	Oxazepam-D5	7.730	141236	24440	5.7788	255.8787
Sertraline	Sertraline-D3	7.767	265555	48631	5.4606	241.1094

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

b QC 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	941861	173594	5.4256	242.4713
Nordiazepam	Nordiazepam-D5	7.856	220027	24184	9.0978	257.8886
Diazepam	Diazepam-D5	7.891	1015021	157638	6.4389	257.5397



ISP FORENSICS - Cd'A Instrument # 62340

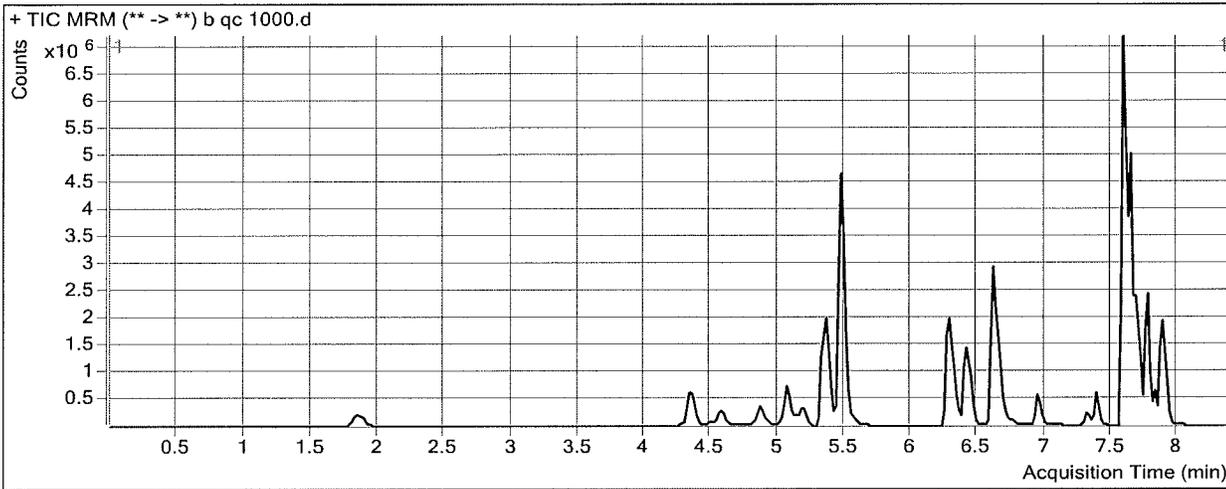
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin		
Analysis Time	7/12/2017 11:11 AM	Analyst Name	anord
Report Time	7/12/2017 3:31 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 11:11 AM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 23:55	Data File	b qc 1000.d
Sample Type	QC	Sample Name	b qc 1000
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-D2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxycodone	Oxycodone-D3	1.848	947216	38254	24.7613	1016.0232 <i>Not evaluated</i>
Dihydrocodeine	Dihydrocodeine-D6	4.355	1730458	97445	17.7583	907.8729
Naloxone	Naloxone-D5	4.569	1100262	77120	14.2669	851.2867
Noroxycodone	Noroxycodone-D3	4.878	1099445	46478	23.6551	1045.3233
Naltrexone	Naltrexone-D3	5.071	1099650	64818	16.9653	811.8963
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.204	895811	357226	2.5077	112.3529
Naltrexol	Naltrexol-D3	5.350	5135272	219081	23.4401	959.8670
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.479	15453764	694845	22.2406	1070.8983
Ketamine	Ketamine-D4	6.281	5412395	233316	23.1977	972.2942
Norfentanyl	Norfentanyl-D5	6.324	1097929	462725	2.3727	103.5751
alpha-PVP	alpha-PVP-d8	6.628	7853598	362026	21.6935	970.2227
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.942	849247	439760	1.9312	104.2910
Norbuprenorphine	Norbuprenorphine-D3	7.255	11532	5522	2.0884	104.6815
Fentanyl	Fentanyl-D5	7.319	236632	224802	1.0526	45.0881 <i>out side range evaluated</i>
EDDP	EDDP-D3	7.390	1113770	52853	21.0732	988.0580
Buprenorphine	Buprenorphine-D4	7.797	118902	31920	3.7250	111.7465
Quetiapine	Quetiapine-D8	7.580	10872427	160354	67.8025	939.3797
Sufentanil	Sufentanil-D5	7.579	365541	169334	2.1587	104.4416
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	1883489	76579	24.5953	1068.9814
Methadone	Methadone-D9	7.643	5457454	251896	21.6655	1106.8371
Fluoxetine	Fluoxetine-D6	7.685	3351790	166017	20.1895	913.1765
Oxazepam	Oxazepam-D5	7.710	555299	22656	24.5099	1082.4462
Sertraline	Sertraline-D3	7.746	933758	43837	21.3009	935.5632

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

b QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	2866454	152063	18.8505	835.3579
Nordiazepam	Nordiazepam-D5	7.836	674655	20964	32.1817	911.2085
Diazepam	Diazepam-D5	7.891	3129466	122101	25.6301	1023.3696



ISP FORENSICS - Cd'A Instrument # 62340

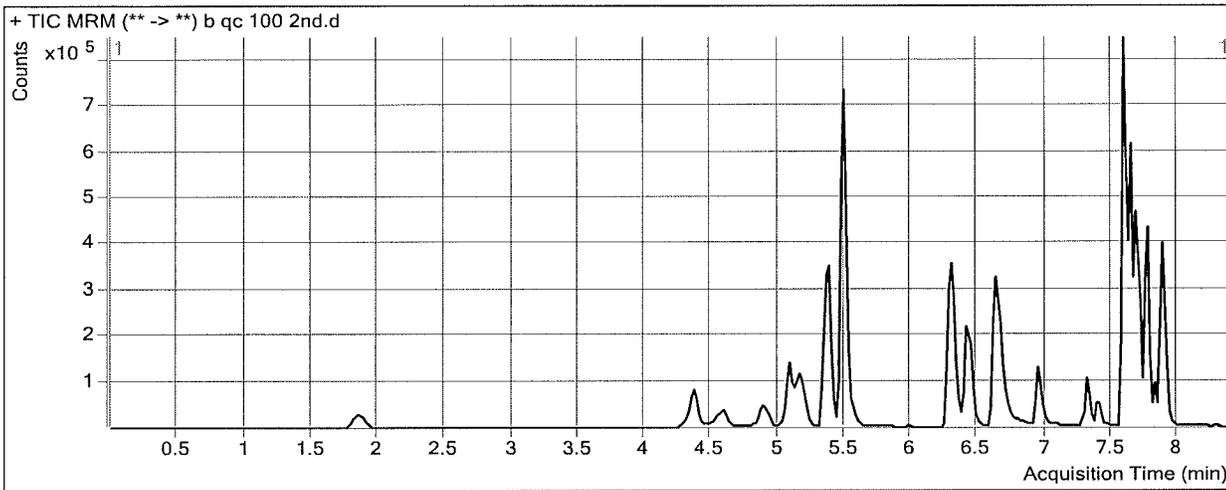
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin
Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-12 00:21 **Data File** b qc 100 2nd.d
Sample Type QC **Sample Name** b qc 100 2nd
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.868	91350	37231	2.4536	101.5429
Dihydrocodeine	Dihydrocodeine-D6	4.375	197199	95705	2.0605	105.0438
Naloxone	Naloxone-D5	4.589	113462	81560	1.3911	83.9711
Noroxycodone	Noroxycodone-D3	4.897	125101	56108	2.2297	98.9855
Naltrexone	Naltrexone-D3	5.092	204797	93736	2.1848	105.0574
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.204	84161	371770	0.2264	10.1965
Naltrexol	Naltrexol-D3	5.370	715693	278545	2.5694	104.7259
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.499	1689938	754913	2.2386	107.8403
Ketamine	Ketamine-D4	6.281	581063	236129	2.4608	103.5237
Norfentanyl	Norfentanyl-D5	6.324	102025	485217	0.2103	9.6584
alpha-PVP	alpha-PVP-d8	6.648	779110	353126	2.2063	98.8949
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.962	59209	323860	0.1828	9.9727
Norbuprenorphine	Norbuprenorphine-D3	7.255	1436	6436	0.2231	11.8180
Fentanyl	Fentanyl-D5	7.299	49302	217097	0.2271	9.7607
EDDP	EDDP-D3	7.410	91061	45719	1.9917	93.7657
Buprenorphine	Buprenorphine-D4	7.797	13211	49816	0.2652	8.1125
Quetiapine	Quetiapine-D8	7.580	1101985	141928	7.7644	107.5066
Sufentanil	Sufentanil-D5	7.579	32575	149001	0.2186	10.6236
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	212543	89407	2.3773	103.4832
Methadone	Methadone-D9	7.643	496183	233393	2.1260	109.0743
Fluoxetine	Fluoxetine-D6	7.685	557127	247786	2.2484	102.0853
Oxazepam	Oxazepam-D5	7.730	51624	24248	2.1290	94.8205
Sertraline	Sertraline-D3	7.746	139579	69529	2.0075	89.7215

Not evaluated

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

b QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	349211	177360	1.9689	89.8108
Nordiazepam	Nordiazepam-D5	7.836	85483	23360	3.6594	103.9688
Diazepam	Diazepam-D5	7.891	443327	173221	2.5593	102.7228

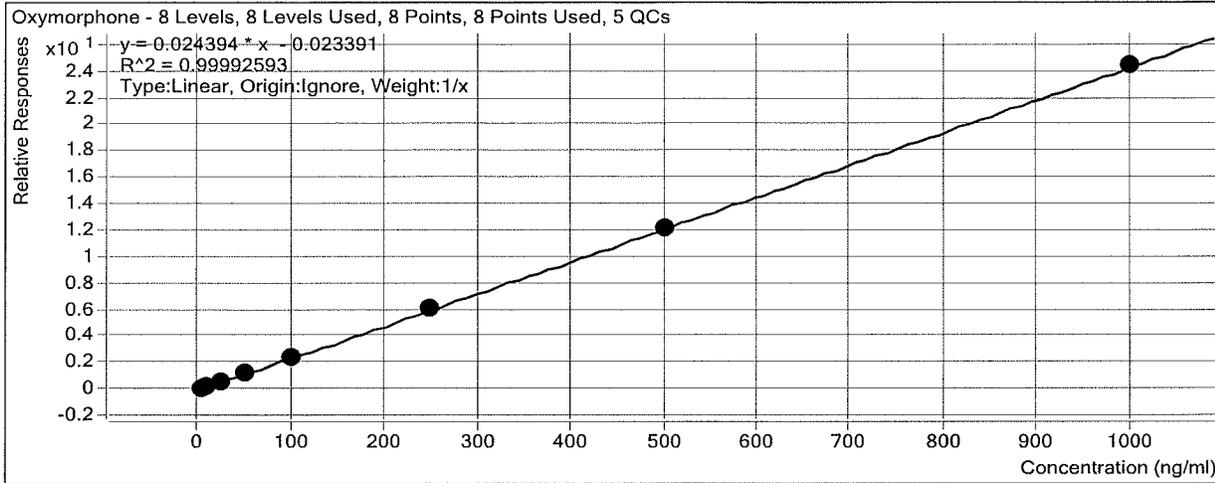


ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	96.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b qc 100	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.0	100.0
b QC 250	6	<input checked="" type="checkbox"/>	250	253.7	101.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.8	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.4	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1016.0	101.6

Not evaluated
retention times
outside acceptable
range.

A

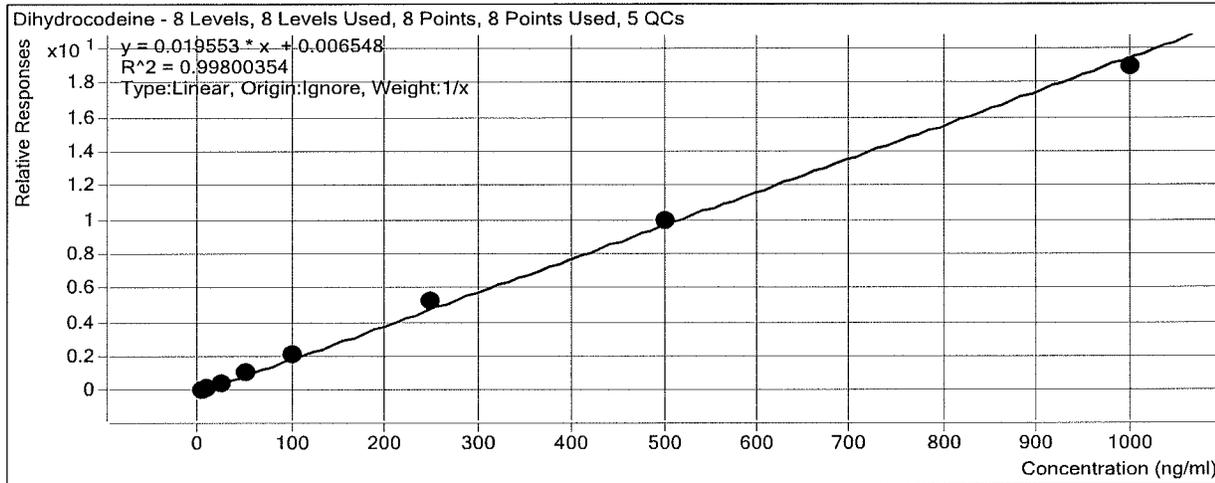
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



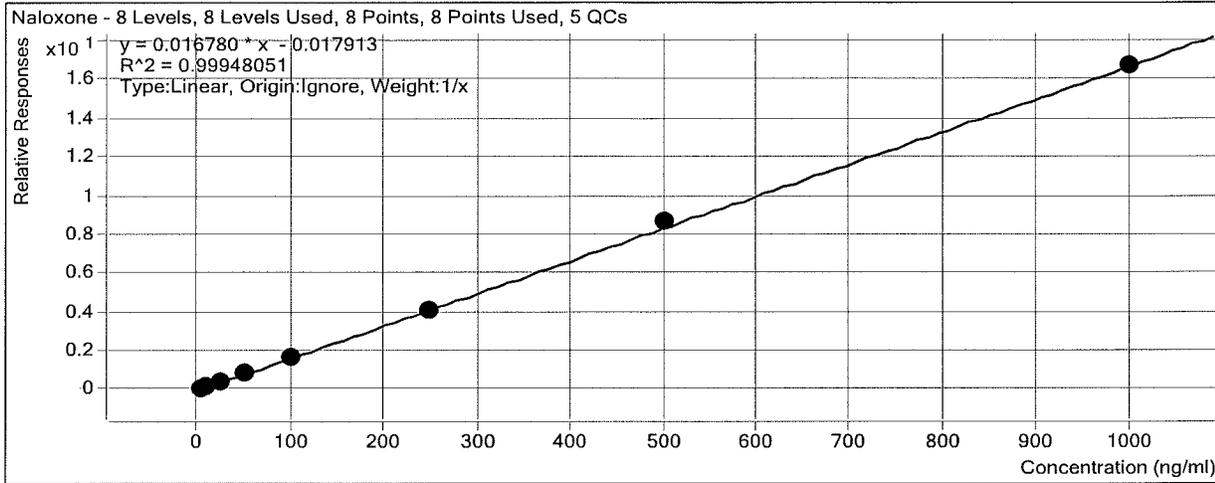
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b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.4	109.4
b qc 100	5	<input checked="" type="checkbox"/>	100	109.3	109.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	105.0	105.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.2	106.5
b QC 250	6	<input checked="" type="checkbox"/>	250	272.9	109.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.6	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.4	96.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	907.9	90.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



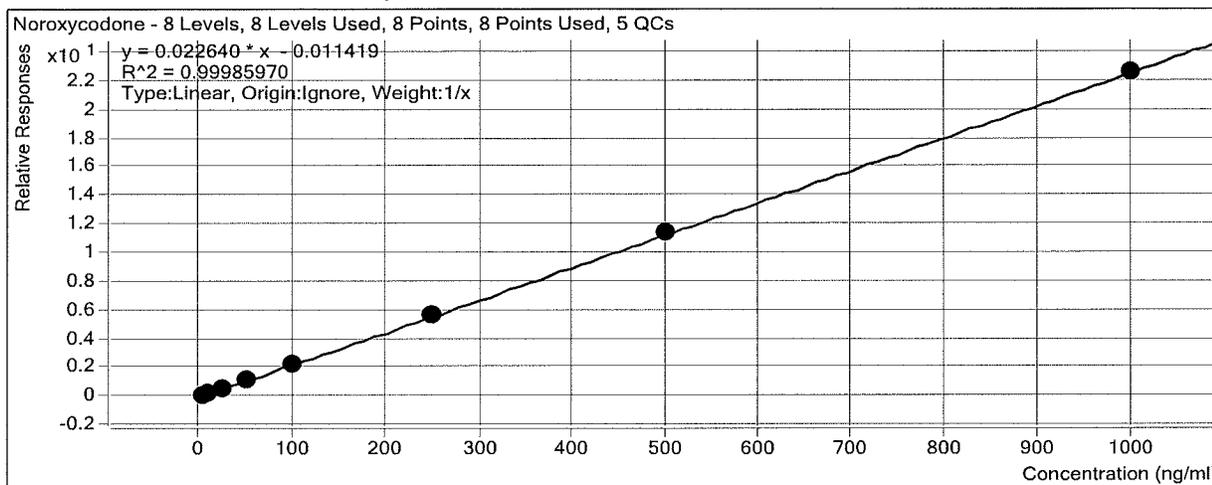
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b qc 100	5	<input checked="" type="checkbox"/>	100	80.7	80.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	84.0	84.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.4	97.0
b QC 250	6	<input checked="" type="checkbox"/>	250	213.8	85.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.4	103.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.2	99.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	851.3	85.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



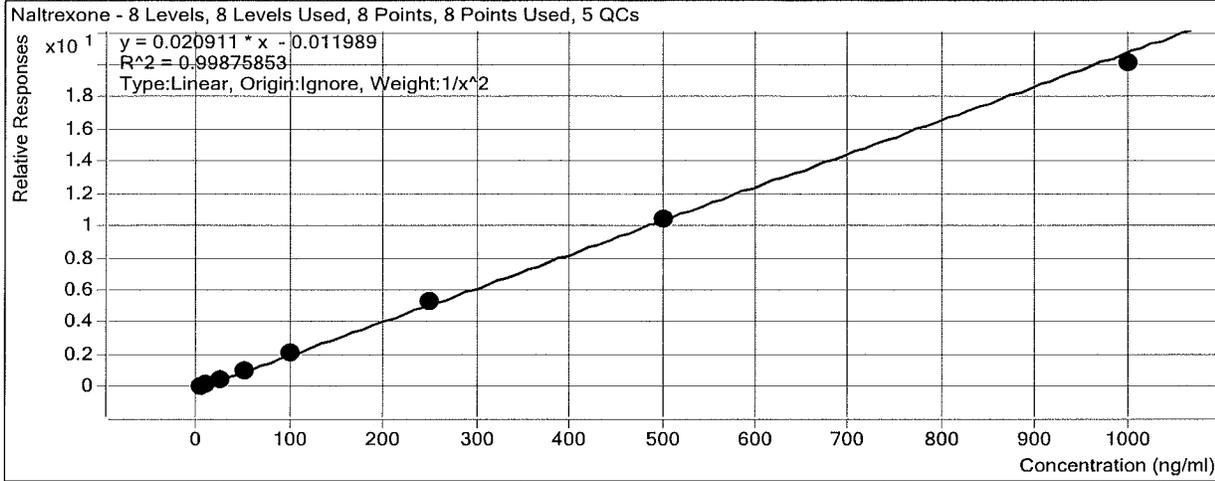
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	98.4	98.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.7	99.1
b QC 250	6	<input checked="" type="checkbox"/>	250	267.0	106.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.4	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	996.5	99.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1045.3	104.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



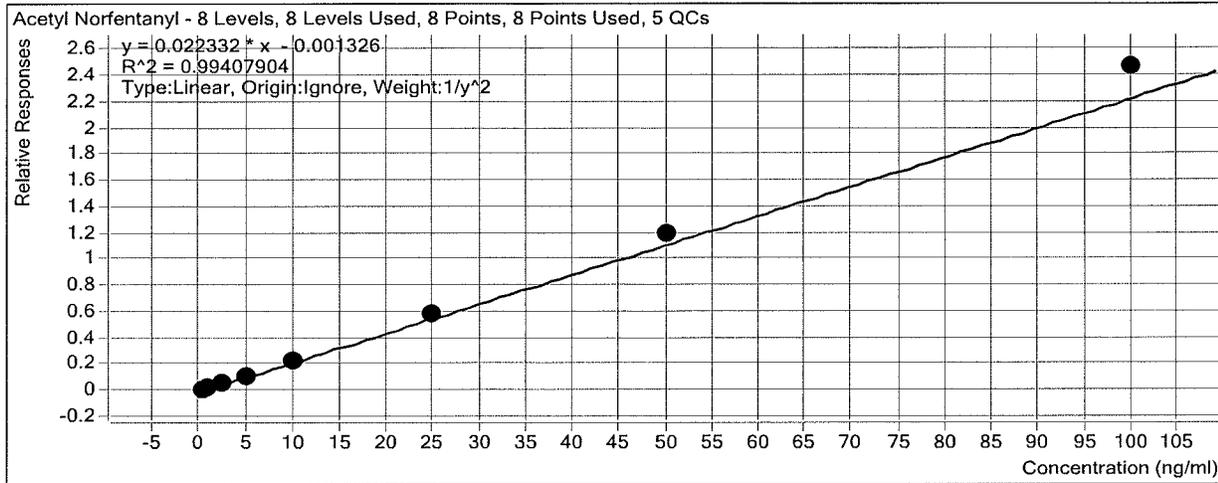
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b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.4	100.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b qc 100	5	<input checked="" type="checkbox"/>	100	109.2	109.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	105.1	105.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.6	103.1
b QC 250	6	<input checked="" type="checkbox"/>	250	239.1	95.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	961.3	96.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	811.9	81.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



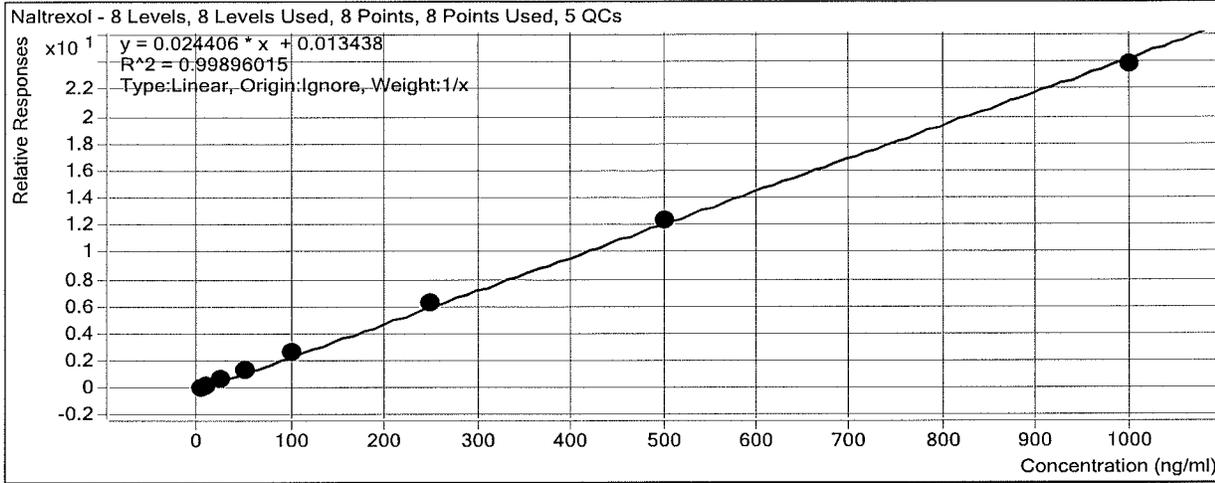
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	94.0
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	94.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.6
b qc 100	5	<input checked="" type="checkbox"/>	10	10.0	99.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.2	102.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.0	104.2
b QC 250	6	<input checked="" type="checkbox"/>	25	26.8	107.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	53.5	107.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	110.2	110.2
b qc 1000	8	<input checked="" type="checkbox"/>	100	112.4	112.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



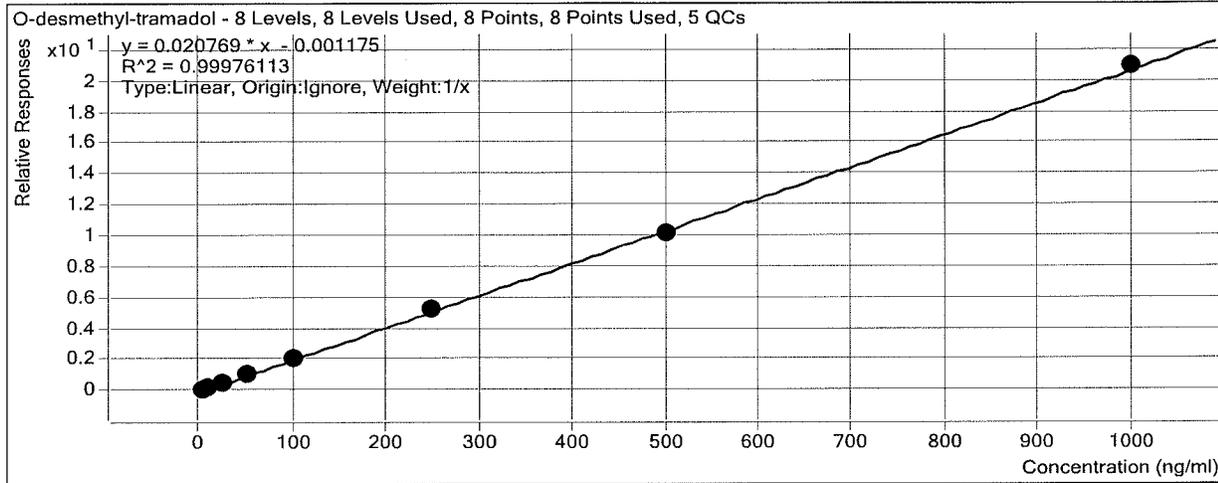
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
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b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.6	105.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b qc 100	5	<input checked="" type="checkbox"/>	100	102.9	102.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.7	104.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.3	104.1
b QC 250	6	<input checked="" type="checkbox"/>	250	256.2	102.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.0	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	975.5	97.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	959.9	96.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



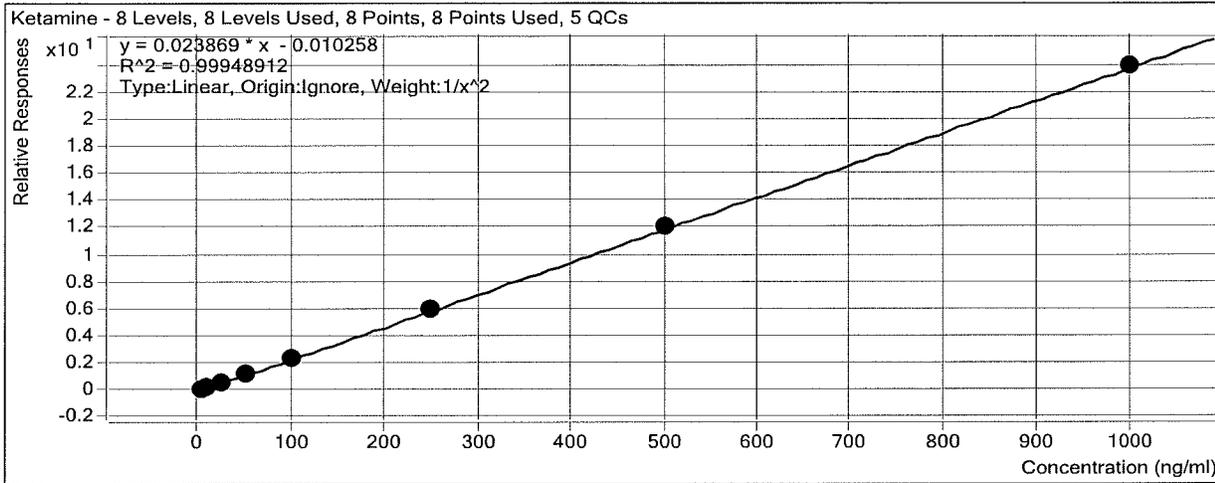
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.4	100.4
b qc 100	5	<input checked="" type="checkbox"/>	100	107.7	107.7
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.8	107.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.7	101.1
b QC 250	6	<input checked="" type="checkbox"/>	250	265.1	106.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.1	97.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.4	100.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1070.9	107.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.2	96.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
b qc 100	5	<input checked="" type="checkbox"/>	100	103.4	103.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.8	100.7
b QC 250	6	<input checked="" type="checkbox"/>	250	253.0	101.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.4	101.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.5	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	972.3	97.2

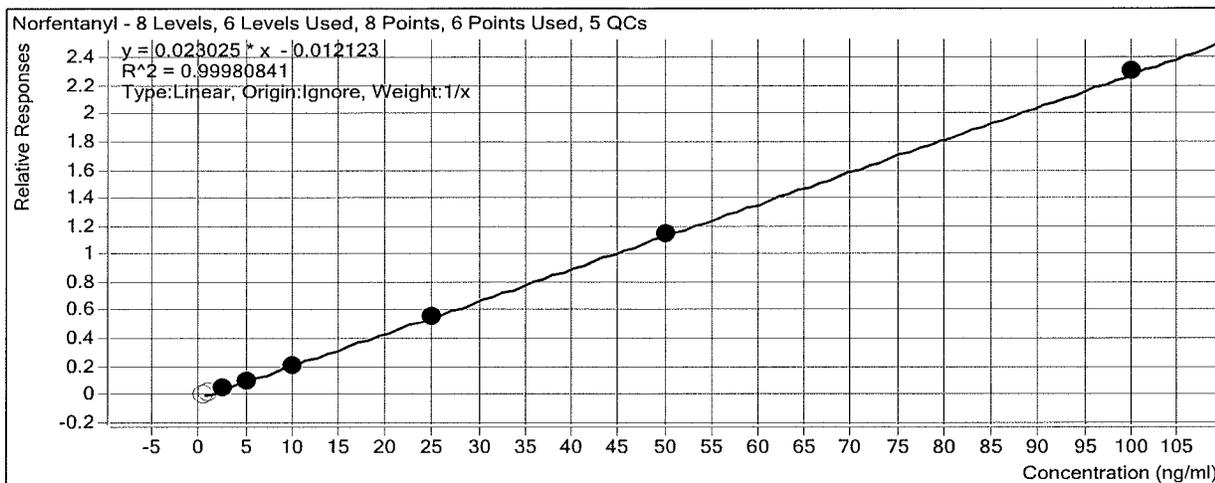
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

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



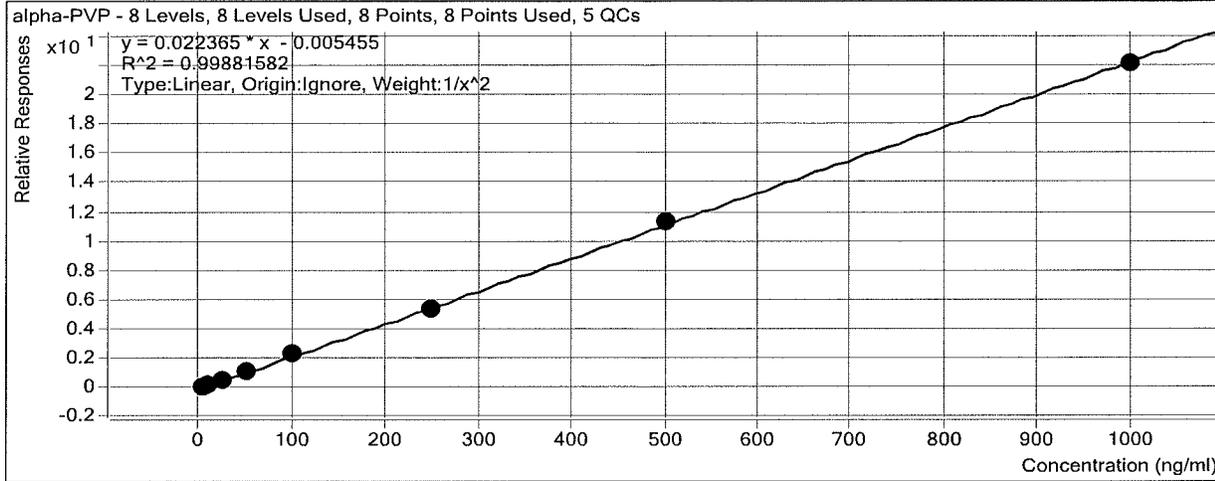
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b cal 2-10ng	2	<input type="checkbox"/>	1	1.3	132.9
b QC 10	2	<input type="checkbox"/>	1	1.3	130.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.6	104.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	96.7
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	92.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.7	96.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	98.0
b QC 250	6	<input checked="" type="checkbox"/>	25	24.6	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.1	100.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	103.6	103.6

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



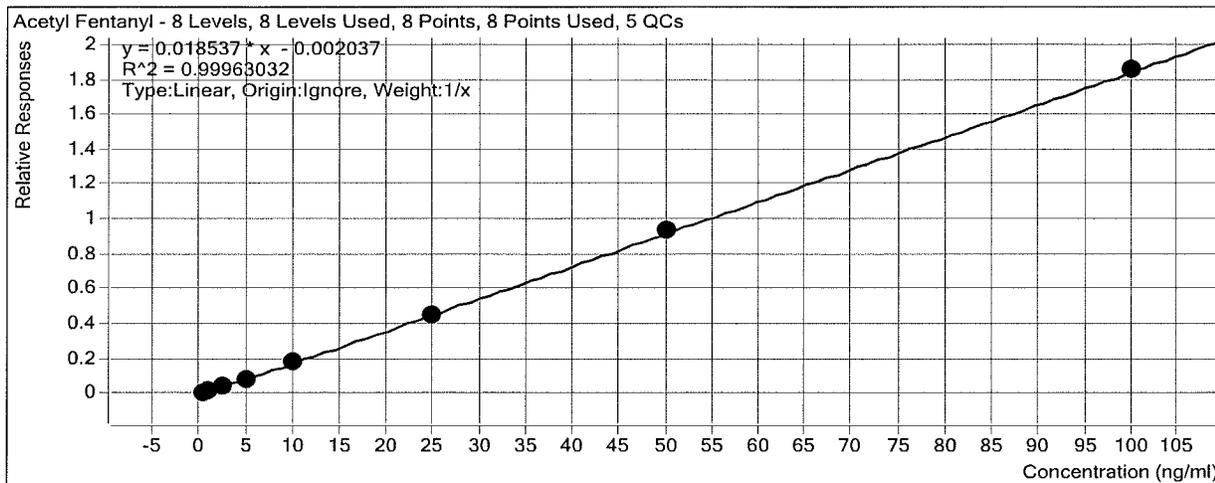
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.3	106.3
b qc 100	5	<input checked="" type="checkbox"/>	100	100.8	100.8
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.7	95.9
b QC 250	6	<input checked="" type="checkbox"/>	250	265.7	106.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.8	101.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.1	98.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	970.2	97.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Acetyl Fentanyl
Internal Standard Acetyl Fentanyl-D5



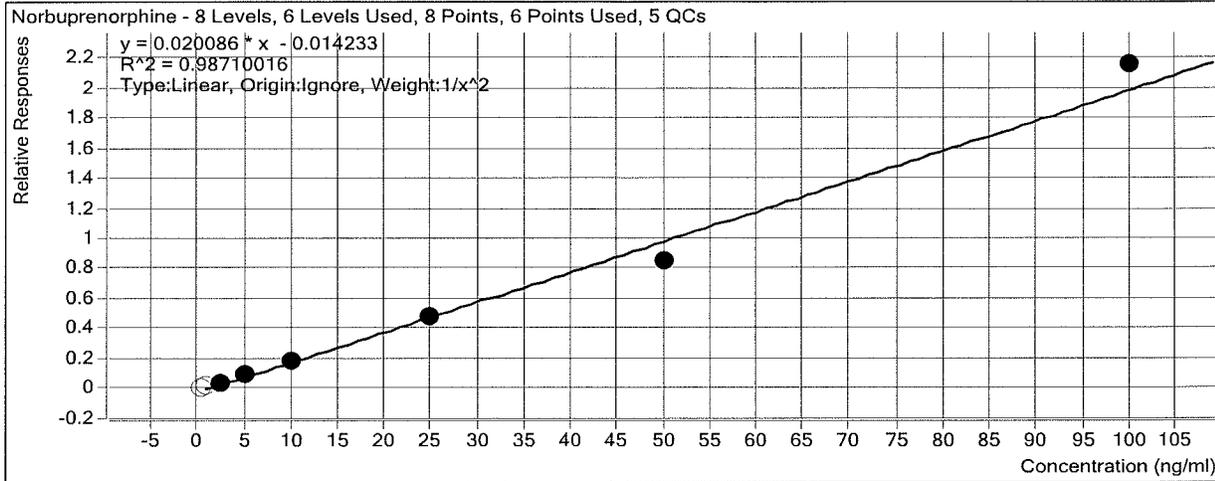
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	113.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	102.0
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	104.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	91.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	97.5
b qc 100	5	<input checked="" type="checkbox"/>	10	10.2	101.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.0	99.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.6	98.5
b QC 250	6	<input checked="" type="checkbox"/>	25	25.6	102.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.9	101.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.1	100.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	104.3	104.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



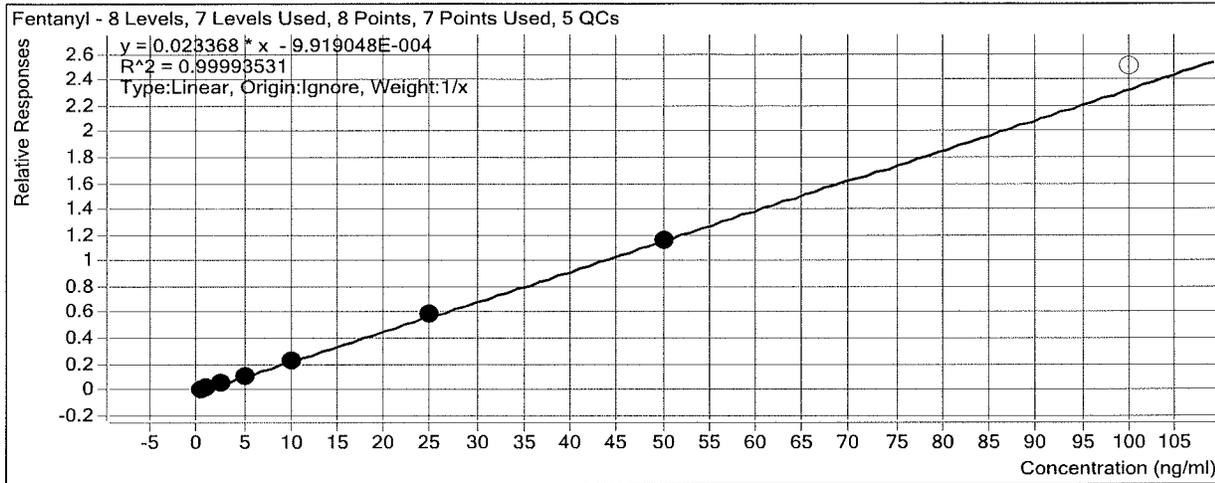
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	1.3	266.1
b cal 2-10ng	2	<input type="checkbox"/>	1	1.9	188.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.7	167.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	94.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.6	111.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.0	100.3
b qc 100	5	<input checked="" type="checkbox"/>	10	11.3	113.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	11.8	118.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.8	99.2
b QC 250	6	<input checked="" type="checkbox"/>	25	27.0	107.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	43.2	86.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	107.8	107.8
b qc 1000	8	<input type="checkbox"/>	100	104.7	104.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	103.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	96.8
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	100.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.1	100.6
b qc 100	5	<input checked="" type="checkbox"/>	10	8.8	87.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	9.8	97.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.2	100.8
b QC 250	6	<input checked="" type="checkbox"/>	25	23.9	95.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.8	99.7
b cal 8-1000ng	8	<input type="checkbox"/>	100	107.0	107.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	45.1	45.1

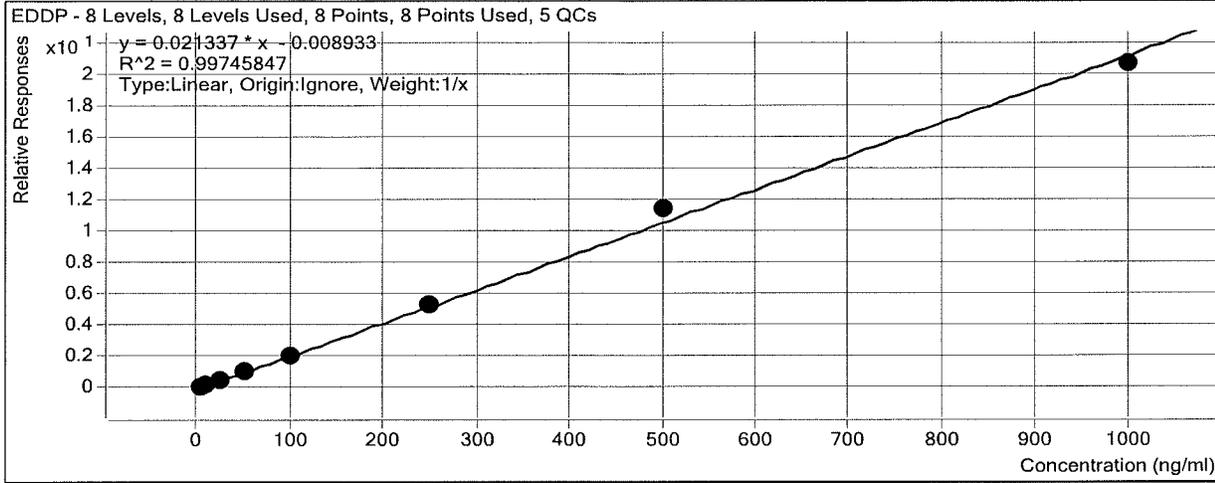
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	111.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.7	96.7
b qc 100	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	93.8	93.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.9	98.8
b QC 250	6	<input checked="" type="checkbox"/>	250	259.8	103.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	540.1	108.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	968.8	96.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	988.1	98.8

ISP Forensics Calibration Curve Report

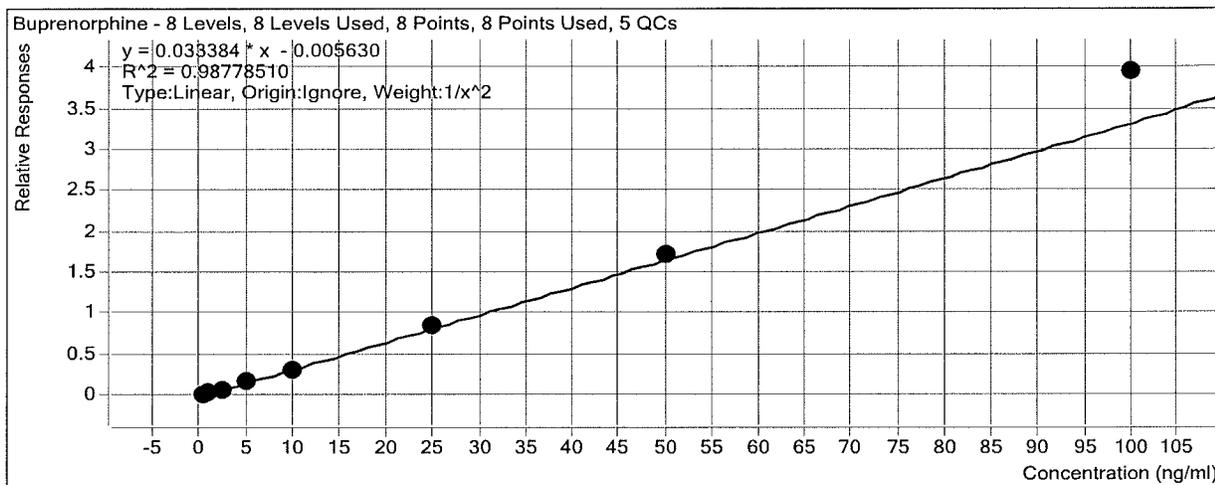
Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

Target Compound *Buprenorphine*

Internal Standard *Buprenorphine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	102.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	102.1
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	104.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	86.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.2	92.3
b qc 100	5	<input checked="" type="checkbox"/>	10	8.2	82.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	8.1	81.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.3	101.3
b QC 250	6	<input checked="" type="checkbox"/>	25	20.8	83.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.0	103.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	118.1	118.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	111.7	111.7

ISP Forensics Calibration Curve Report

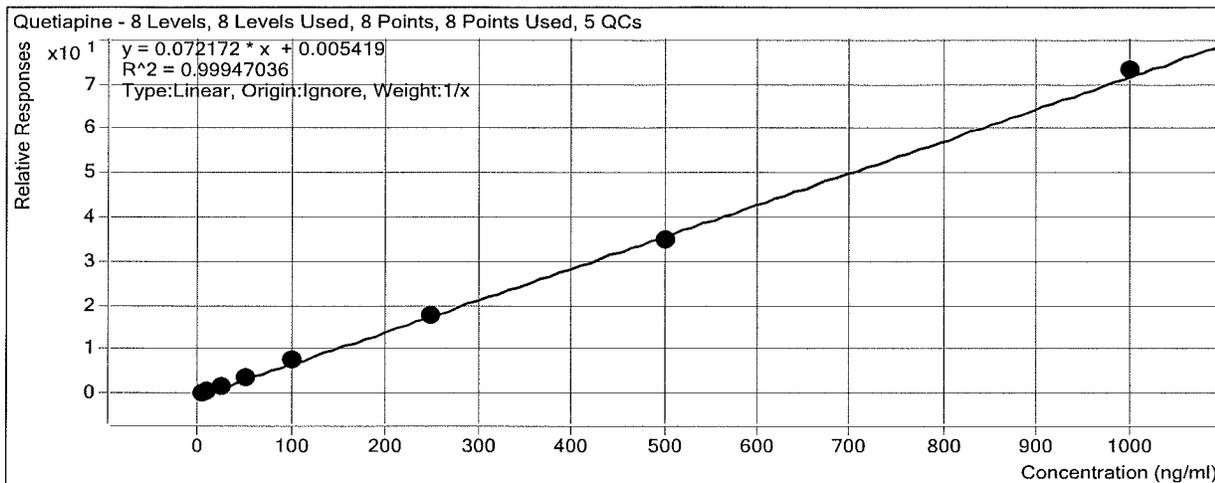
Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

Target Compound Quetiapine

Internal Standard Quetiapine-D8



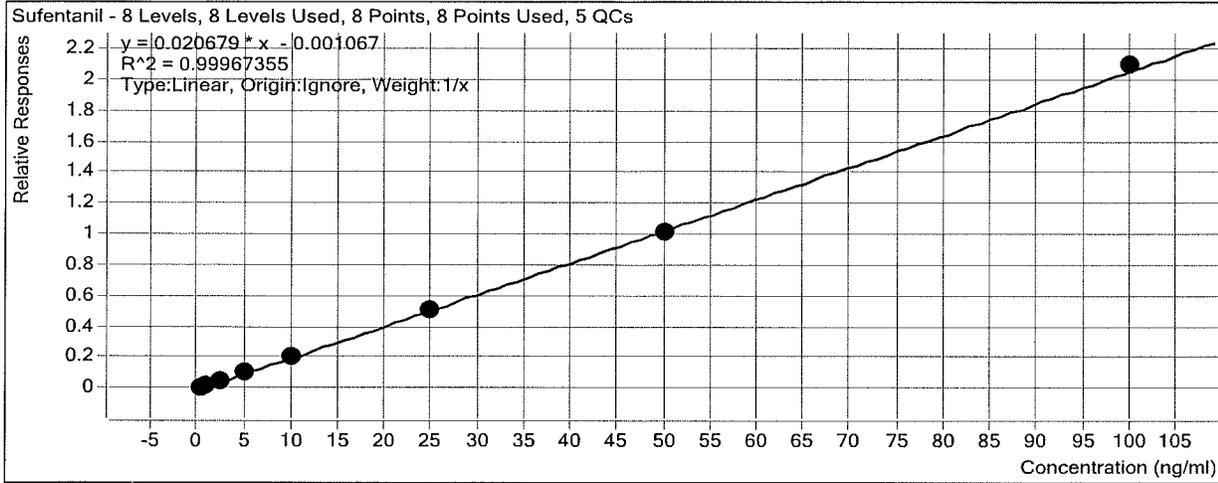
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	102.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
b qc 100	5	<input checked="" type="checkbox"/>	100	108.3	108.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.0	98.0
b QC 250	6	<input checked="" type="checkbox"/>	250	271.2	108.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.8	97.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1013.6	101.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	939.4	93.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Sufentanil
Internal Standard Sufentanil-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	104.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	94.0
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	106.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	102.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	99.4
b qc 100	5	<input checked="" type="checkbox"/>	10	10.9	109.2
b qc 100 2nd	5	<input checked="" type="checkbox"/>	10	10.6	106.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.7	98.9
b QC 250	6	<input checked="" type="checkbox"/>	25	29.4	117.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.8	97.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.3	101.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	104.4	104.4

ISP Forensics Calibration Curve Report

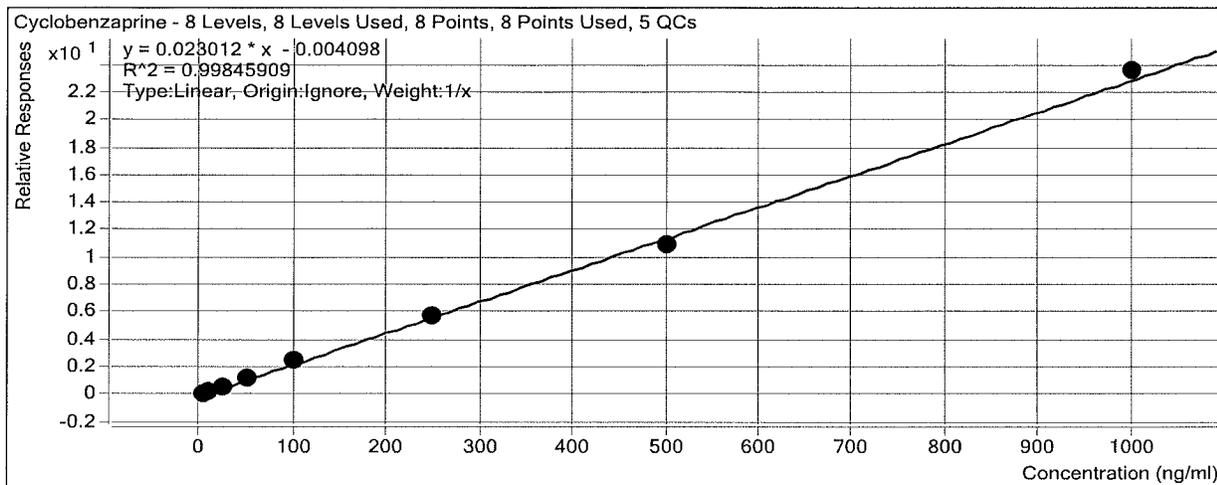
Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

Target Compound Cyclobenzaprine

Internal Standard Cyclobenzaprine-D3



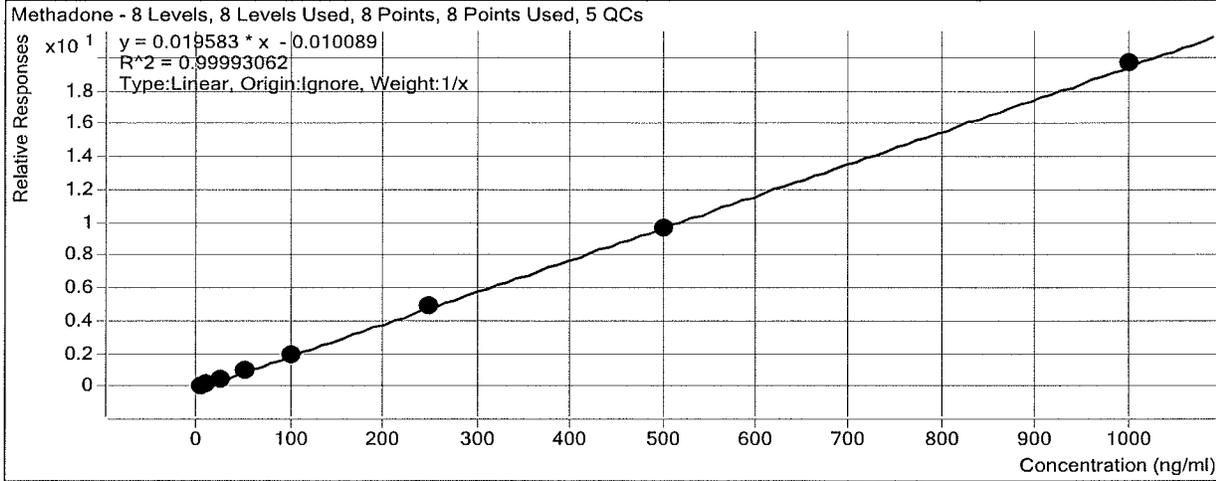
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.8	107.8
b qc 100	5	<input checked="" type="checkbox"/>	100	97.5	97.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	103.5	103.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
b QC 250	6	<input checked="" type="checkbox"/>	250	253.2	101.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.6	94.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.6	102.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1069.0	106.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Methadone
Internal Standard Methadone-D9



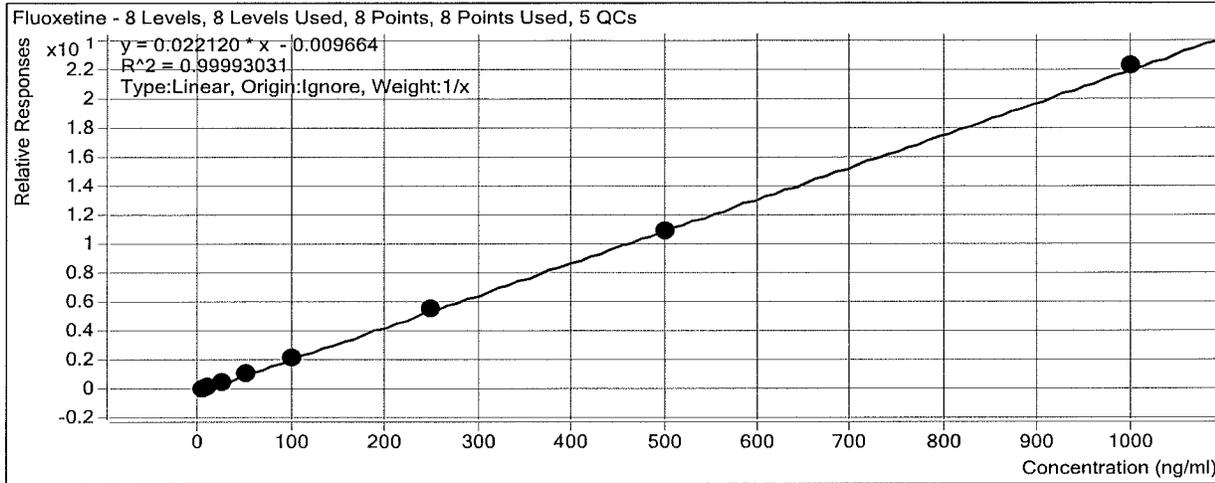
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b qc 100	5	<input checked="" type="checkbox"/>	100	98.9	98.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	109.1	109.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.3	100.5
b QC 250	6	<input checked="" type="checkbox"/>	250	262.4	105.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.0	98.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.7	100.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1106.8	110.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



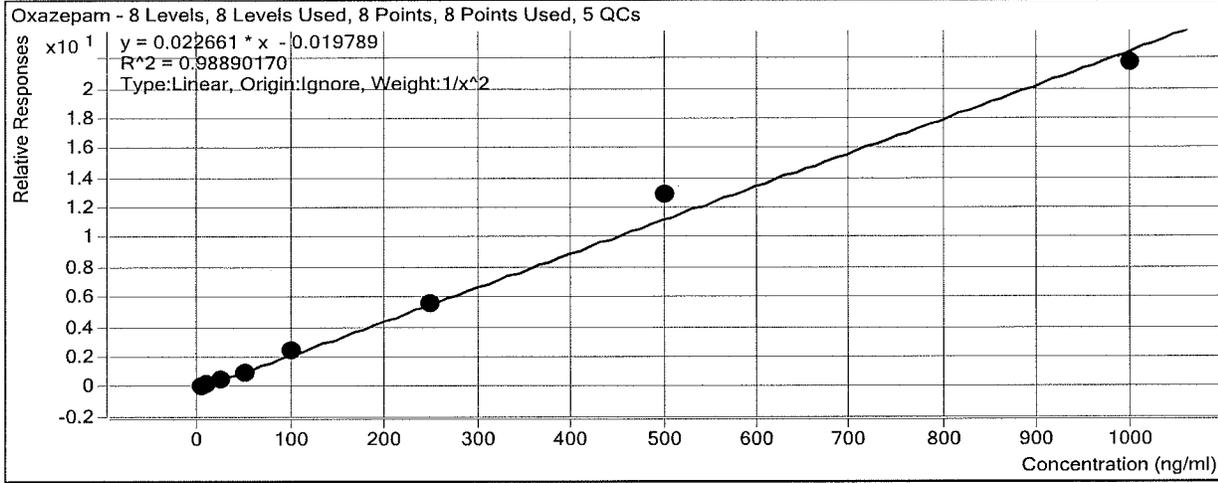
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b qc 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.1	102.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.3	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	246.9	98.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.5	99.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.6	100.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	913.2	91.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



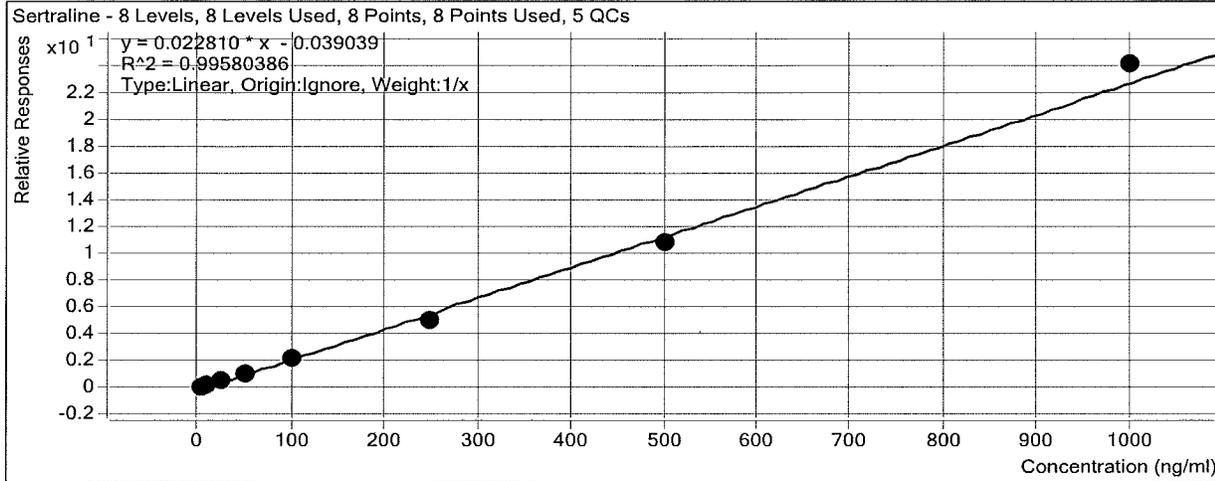
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.6	89.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.4	110.4
b qc 100	5	<input checked="" type="checkbox"/>	100	85.0	85.0
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	94.8	94.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
b QC 250	6	<input checked="" type="checkbox"/>	250	255.9	102.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	568.0	113.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	958.1	95.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1082.4	108.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.2	123.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
b qc 100	5	<input checked="" type="checkbox"/>	100	92.9	92.9
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	89.7	89.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	225.1	90.1
b QC 250	6	<input checked="" type="checkbox"/>	250	241.1	96.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	473.8	94.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1055.5	105.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	935.6	93.6

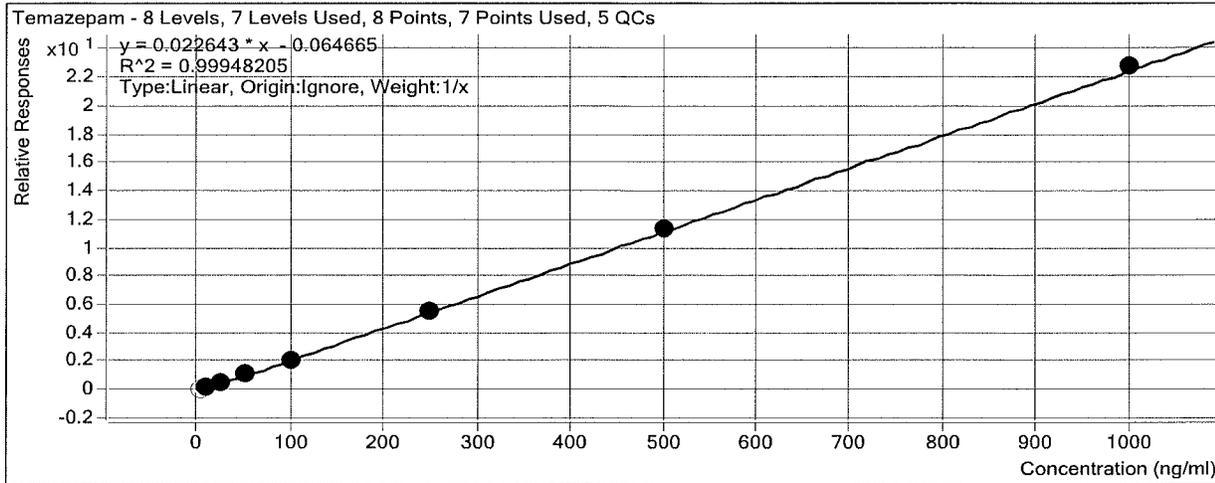
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

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



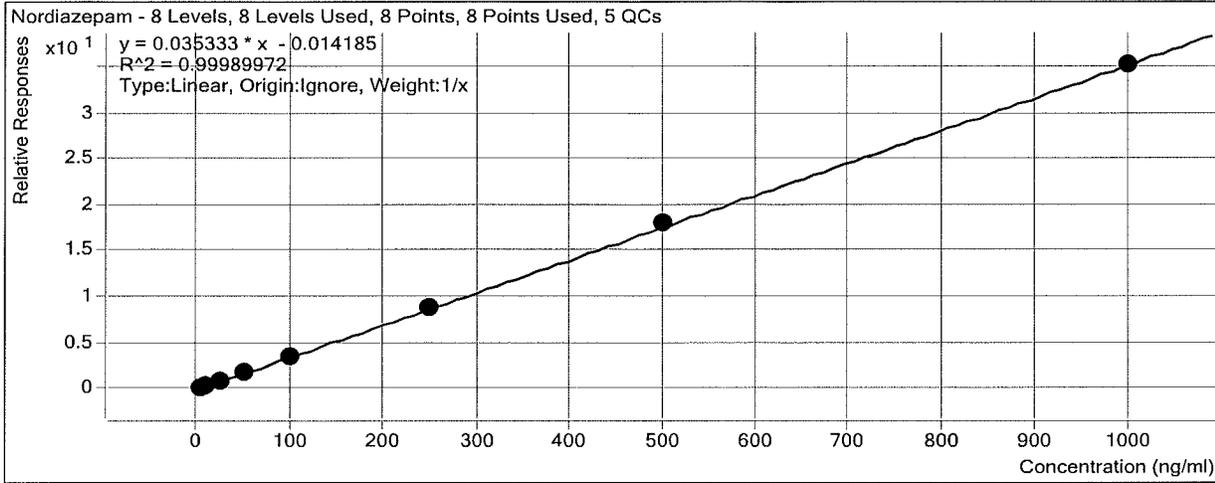
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	7.1	142.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.3	112.8
b QC 10	2	<input checked="" type="checkbox"/>	10	11.7	116.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.1	92.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.9	93.9
b qc 100	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	89.8	89.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.1	98.0
b QC 250	6	<input checked="" type="checkbox"/>	250	242.5	97.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.3	100.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.7	100.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	835.4	83.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM **Analyst Name** ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b qc 100	5	<input checked="" type="checkbox"/>	100	104.4	104.4
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.4	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	257.9	103.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.5	101.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.0	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	911.2	91.1

ISP Forensics Calibration Curve Report

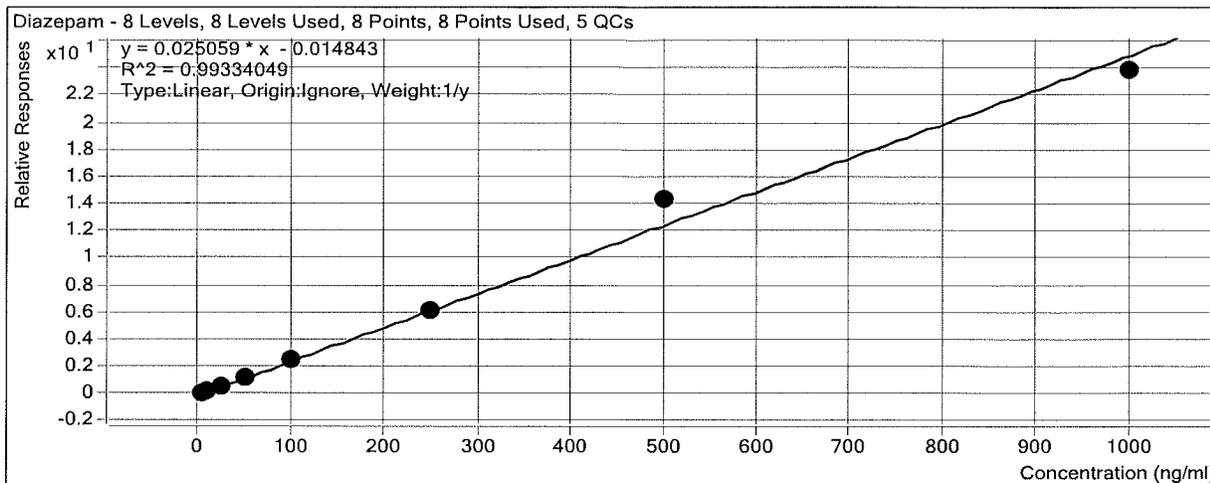
Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin

Last Calib Update 7/12/2017 11:11 AM

Analyst Name ISP TOX

Target Compound *Diazepam*

Internal Standard *Diazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b QC 10	2	<input checked="" type="checkbox"/>	10	5.2	51.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.1	98.1
b qc 100	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b qc 100 2nd	5	<input checked="" type="checkbox"/>	100	102.7	102.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.0	96.8
b QC 250	6	<input checked="" type="checkbox"/>	250	257.5	103.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	571.6	114.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	950.0	95.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1023.4	102.3

ISP FORENSICS - Cd'A Instrument # 62340

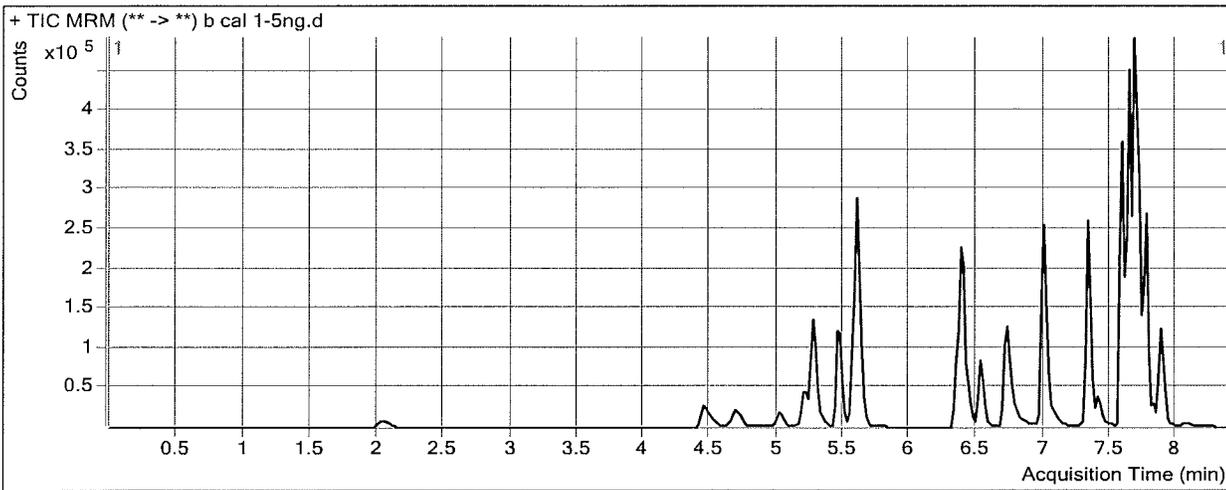
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin
Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 13:34 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.069	5039	46431	0.1085	5.4078
Dihydrocodeine	Dihydrocodeine-D6	4.516	11030	117763	0.0937	4.4551
Naloxone	Naloxone-D5	4.733	7703	105891	0.0727	5.4025
Noroxycodone	Noroxycodone-D3	5.057	7781	71745	0.1085	5.2948
Naltrexone	Naltrexone-D3	5.212	14062	147947	0.0950	5.1187
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	4933	474094	0.0104	0.5254
Naltrexol	Naltrexol-D3	5.471	43725	365463	0.1196	4.3516
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	87943	863503	0.1018	4.9602
Ketamine	Ketamine-D4	6.361	34556	312794	0.1105	5.0581
Norfentanyl	Norfentanyl-D5	6.424	5528	595110	0.0093	0.9299
alpha-PVP	alpha-PVP-d8	6.729	54583	514488	0.1061	4.9876
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	6950	820250	0.0085	0.5670
Norbuprenorphine	Norbuprenorphine-D3	7.295	186	14871	0.0125	1.3304
Fentanyl	Fentanyl-D5	7.339	7714	693269	0.0111	0.5186
EDDP	EDDP-D3	7.410	8624	78804	0.1094	5.5479
Buprenorphine	Buprenorphine-D4	7.757	1446	125755	0.0115	0.5131
Quetiapine	Quetiapine-D8	7.580	92191	259821	0.3548	4.8413
Sufentanil	Sufentanil-D5	7.579	5213	537314	0.0097	0.5208
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	32360	305617	0.1059	4.7793
Methadone	Methadone-D9	7.643	64980	711627	0.0913	5.1779
Fluoxetine	Fluoxetine-D6	7.685	90171	845897	0.1066	5.2561
Oxazepam	Oxazepam-D5	7.730	3436	34080	0.1008	5.3223
Sertraline	Sertraline-D3	7.767	25199	247238	0.1019	6.1799

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	23468	242807	0.0967	7.1243
Nordiazepam	Nordiazepam-D5	7.856	5768	33737	0.1710	5.2398
Diazepam	Diazepam-D5	7.891	25520	229128	0.1114	5.0369



ISP FORENSICS - Cd'A Instrument # 62340

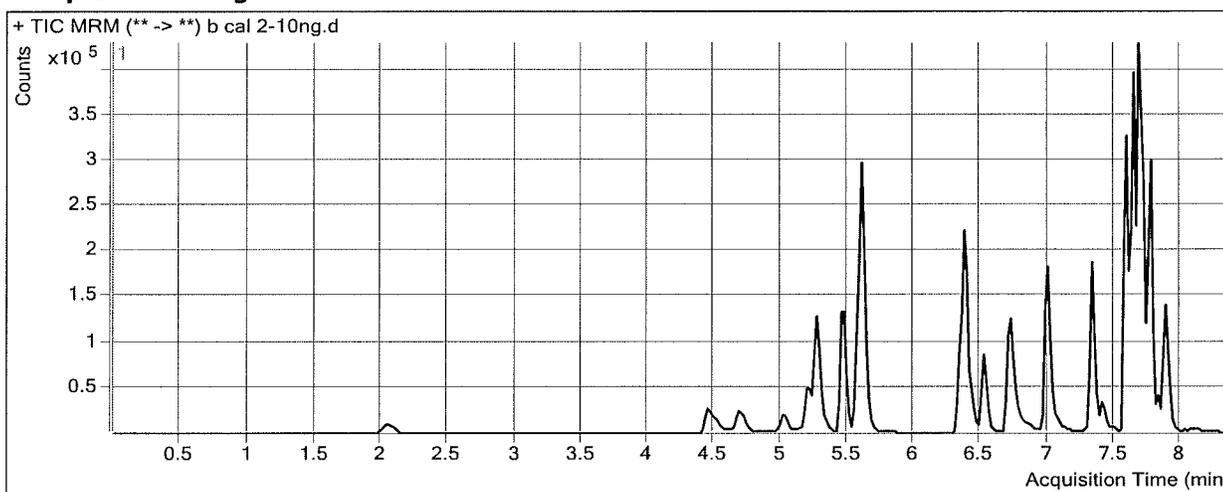
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin		
Analysis Time	7/12/2017 11:11 AM	Analyst Name	anord
Report Time	7/12/2017 3:31 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 11:11 AM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 14:00	Data File	b cal 2-10ng.d
Sample Type	Calibration	Sample Name	b cal 2-10ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	PI-B1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.069	9910	45897	0.2159	9.8100
Dihydrocodeine	Dihydrocodeine-D6	4.516	21650	115698	0.1871	9.2351
Naloxone	Naloxone-D5	4.733	15912	102922	0.1546	10.2809
Noroxycodone	Noroxycodone-D3	5.057	15184	70475	0.2155	10.0207
Naltrexone	Naltrexone-D3	5.212	26936	143979	0.1871	9.5202
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	8962	455527	0.0197	0.9404
Naltrexol	Naltrexol-D3	5.471	88251	355008	0.2486	9.6349
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	164807	819606	0.2011	9.7383
Ketamine	Ketamine-D4	6.361	64386	288980	0.2228	9.7641
Norfentanyl	Norfentanyl-D5	6.404	10113	547078	0.0185	1.3293
alpha-PVP	alpha-PVP-d8	6.729	99150	451284	0.2197	10.0676
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	10150	601757	0.0169	1.0198
Norbuprenorphine	Norbuprenorphine-D3	7.295	242	10264	0.0236	1.8840
Fentanyl	Fentanyl-D5	7.319	10448	483281	0.0216	0.9676
EDDP	EDDP-D3	7.410	12688	65388	0.1940	9.5130
Buprenorphine	Buprenorphine-D4	7.757	3001	105464	0.0285	1.0209
Quetiapine	Quetiapine-D8	7.580	153028	217953	0.7021	9.6533
Sufentanil	Sufentanil-D5	7.579	7406	403323	0.0184	0.9396
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	53043	227339	0.2333	10.3172
Methadone	Methadone-D9	7.643	98210	540678	0.1816	9.7905
Fluoxetine	Fluoxetine-D6	7.685	139013	664206	0.2093	9.8987
Oxazepam	Oxazepam-D5	7.730	7705	41796	0.1844	9.0087
Sertraline	Sertraline-D3	7.746	37851	203030	0.1864	9.8848

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	62292	326570	0.1907	11.2798
Nordiazepam	Nordiazepam-D5	7.836	14997	44970	0.3335	9.8401
Diazepam	Diazepam-D5	7.891	52330	229977	0.2275	9.6726



ISP FORENSICS - Cd'A Instrument # 62340

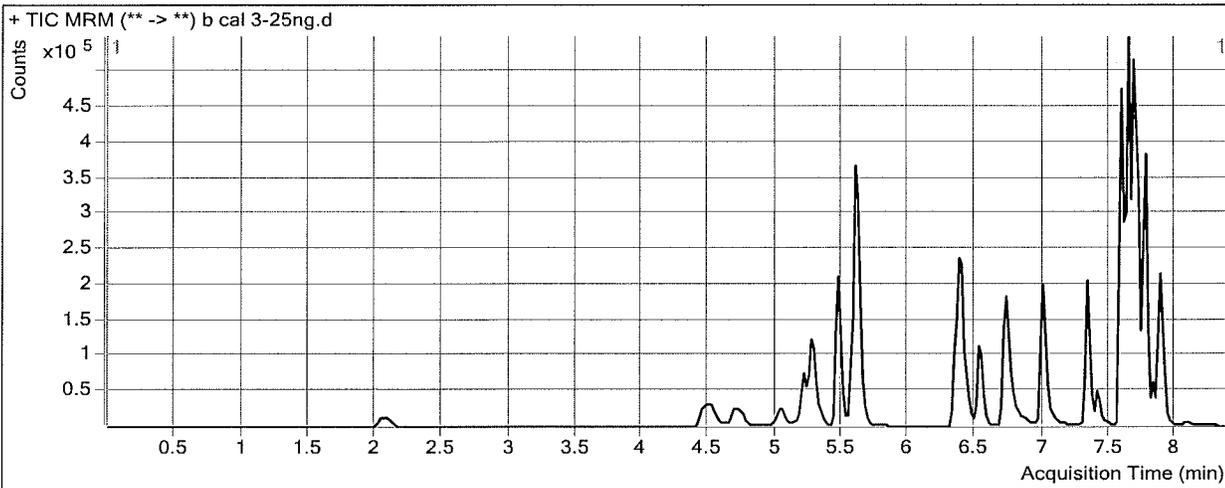
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin		
Analysis Time	7/12/2017 11:11 AM	Analyst Name	anord
Report Time	7/12/2017 3:31 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 11:11 AM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 14:25	Data File	b cal 3-25ng.d
Sample Type	Calibration	Sample Name	b cal 3-25ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.089	26254	46624	0.5631	24.0432
Dihydrocodeine	Dihydrocodeine-D6	4.516	57904	118244	0.4897	24.7098
Naloxone	Naloxone-D5	4.753	40720	108439	0.3755	23.4456
Noroxycodone	Noroxycodone-D3	5.057	38407	72019	0.5333	24.0591
Naltrexone	Naltrexone-D3	5.212	72368	143570	0.5041	24.6786
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	22681	440907	0.0514	2.3629
Naltrexol	Naltrexol-D3	5.471	230191	363778	0.6328	25.3765
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.618	437083	839744	0.5205	25.1174
Ketamine	Ketamine-D4	6.361	171668	288625	0.5948	25.3478
Norfentanyl	Norfentanyl-D5	6.424	26535	556066	0.0477	2.5990
alpha-PVP	alpha-PVP-d8	6.729	258284	471127	0.5482	24.7567
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	24202	600060	0.0403	2.2857
Norbuprenorphine	Norbuprenorphine-D3	7.295	381	11455	0.0333	2.3643
Fentanyl	Fentanyl-D5	7.319	26944	468595	0.0575	2.5030
EDDP	EDDP-D3	7.410	36460	71403	0.5106	24.3501
Buprenorphine	Buprenorphine-D4	7.757	6336	95631	0.0663	2.1533
Quetiapine	Quetiapine-D8	7.580	402332	213869	1.8812	25.9905
Sufentanil	Sufentanil-D5	7.579	19587	380773	0.0514	2.5391
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	123983	221116	0.5607	24.5442
Methadone	Methadone-D9	7.643	260859	551712	0.4728	24.6590
Fluoxetine	Fluoxetine-D6	7.685	332086	627139	0.5295	24.3760
Oxazepam	Oxazepam-D5	7.730	19023	36786	0.5171	23.6933
Sertraline	Sertraline-D3	7.746	99507	200914	0.4953	23.4246

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	141993	309012	0.4595	23.1492
Nordiazepam	Nordiazepam-D5	7.836	39709	46512	0.8537	24.5635
Diazepam	Diazepam-D5	7.891	144311	236879	0.6092	24.9034



ISP FORENSICS - Cd'A Instrument # 62340

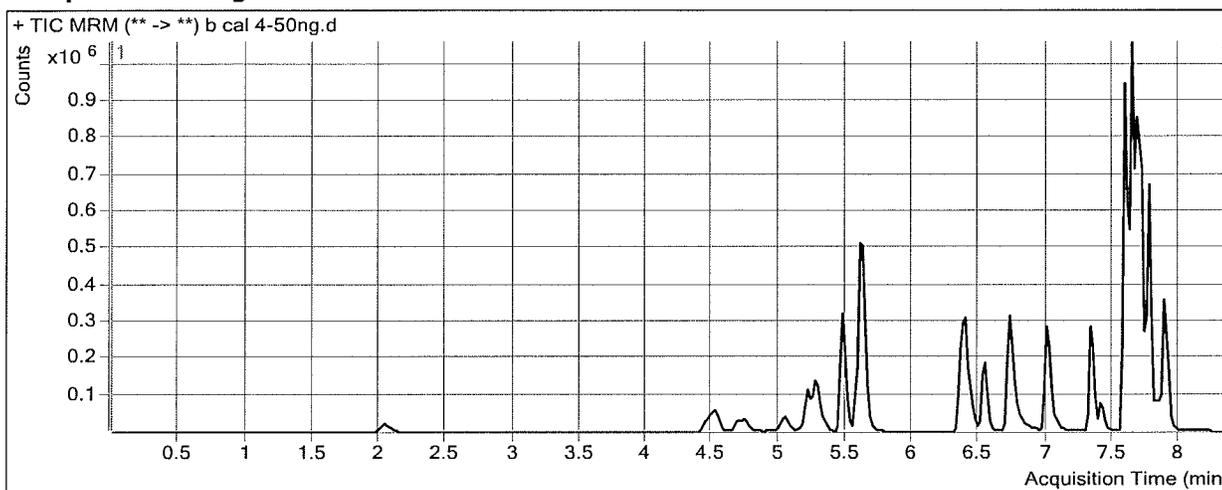
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin
Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 14:50 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.069	57225	48400	1.1823	49.4272
Dihydrocodeine	Dihydrocodeine-D6	4.516	130951	125927	1.0399	52.8486
Naloxone	Naloxone-D5	4.753	90361	112658	0.8021	48.8666
Noroxycodone	Noroxycodone-D3	5.057	83828	77246	1.0852	48.4366
Naltrexone	Naltrexone-D3	5.212	155608	149414	1.0415	50.3784
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	50065	485682	0.1031	4.6754
Naltrexol	Naltrexol-D3	5.471	489401	377467	1.2965	52.5729
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.618	975905	912513	1.0695	51.5495
Ketamine	Ketamine-D4	6.361	364594	320072	1.1391	48.1521
Norfentanyl	Norfentanyl-D5	6.424	64682	624936	0.1035	5.0216
alpha-PVP	alpha-PVP-d8	6.729	591797	538914	1.0981	49.3445
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	72952	845462	0.0863	4.7648
Norbuprenorphine	Norbuprenorphine-D3	7.295	1214	12369	0.0981	5.5932
Fentanyl	Fentanyl-D5	7.339	76253	669060	0.1140	4.9196
EDDP	EDDP-D3	7.410	91220	89718	1.0167	48.0701
Buprenorphine	Buprenorphine-D4	7.757	17932	119287	0.1503	4.6716
Quetiapine	Quetiapine-D8	7.580	960962	260646	3.6869	51.0090
Sufentanil	Sufentanil-D5	7.579	56687	537950	0.1054	5.1474
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	360980	315403	1.1445	49.9131
Methadone	Methadone-D9	7.643	710303	736846	0.9640	49.7396
Fluoxetine	Fluoxetine-D6	7.705	911750	833487	1.0939	49.8906
Oxazepam	Oxazepam-D5	7.730	35737	36024	0.9920	44.6496
Sertraline	Sertraline-D3	7.767	266582	255617	1.0429	47.4331

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	308997	285654	1.0817	50.6282
Nordiazepam	Nordiazepam-D5	7.856	82611	47777	1.7291	49.3381
Diazepam	Diazepam-D5	7.891	309103	246781	1.2525	50.5753



ISP FORENSICS - Cd'A Instrument # 62340

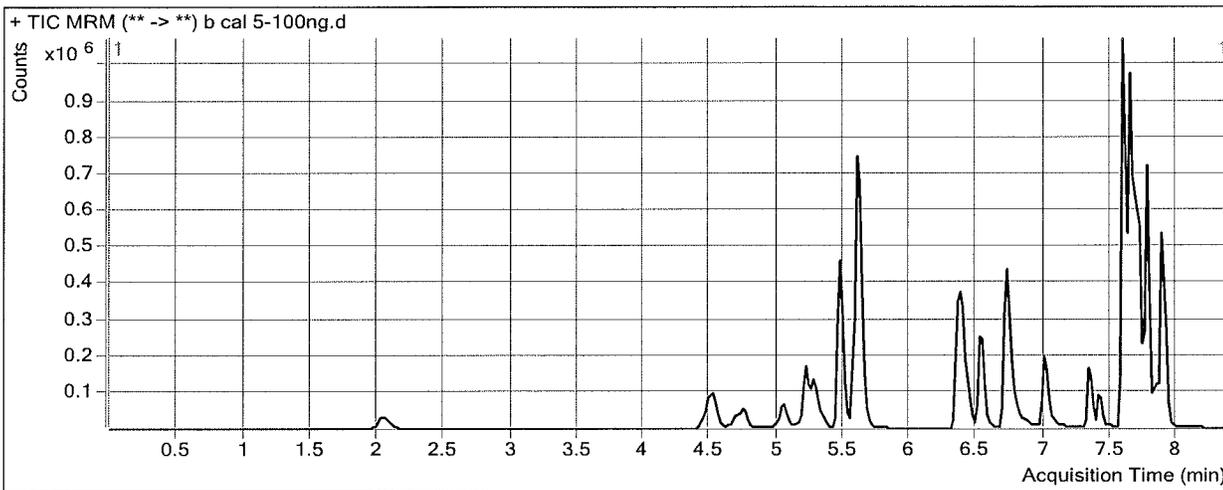
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin
Analysis Time 7/12/2017 11:11 AM **Analyst Name** anord
Report Time 7/12/2017 3:31 PM **Reporter Name** ISP Tox
Last Calib Update 7/12/2017 11:11 AM **Batch State** Processed

Analysis Info

Acq Time 2017-07-11 15:16 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1b 11-18-2016.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	108151	45632	2.3701	98.1177
Dihydrocodeine	Dihydrocodeine-D6	4.516	238025	110888	2.1465	109.4446
Naloxone	Naloxone-D5	4.733	165501	101802	1.6257	97.9502
Noroxycodone	Noroxycodone-D3	5.057	154966	68397	2.2657	100.5766
Naltrexone	Naltrexone-D3	5.212	279861	130461	2.1452	103.1610
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	94253	434896	0.2167	9.7643
Naltrexol	Naltrexol-D3	5.471	880980	334667	2.6324	107.3077
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	1765932	847331	2.0841	100.4026
Ketamine	Ketamine-D4	6.361	692185	286460	2.4163	101.6616
Norfentanyl	Norfentanyl-D5	6.424	117158	556203	0.2106	9.6746
alpha-PVP	alpha-PVP-d8	6.729	1076228	453726	2.3720	106.3019
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	87798	491119	0.1788	9.7541
Norbuprenorphine	Norbuprenorphine-D3	7.295	1771	9462	0.1872	10.0265
Fentanyl	Fentanyl-D5	7.339	80356	343390	0.2340	10.0565
EDDP	EDDP-D3	7.410	144568	70371	2.0544	96.7007
Buprenorphine	Buprenorphine-D4	7.757	20606	68100	0.3026	9.2321
Quetiapine	Quetiapine-D8	7.580	1431661	190317	7.5225	104.1551
Sufentanil	Sufentanil-D5	7.579	53748	262726	0.2046	9.9445
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	379617	153335	2.4757	107.7622
Methadone	Methadone-D9	7.643	827293	421969	1.9606	100.6285
Fluoxetine	Fluoxetine-D6	7.705	858639	393436	2.1824	99.1011
Oxazepam	Oxazepam-D5	7.730	69010	27811	2.4813	110.3697
Sertraline	Sertraline-D3	7.767	251997	113995	2.2106	98.6265

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	531016	257627	2.0612	93.8848
Nordiazepam	Nordiazepam-D5	7.856	137753	39492	3.4881	99.1213
Diazepam	Diazepam-D5	7.891	540807	221304	2.4437	98.1103



ISP FORENSICS - Cd'A Instrument # 62340

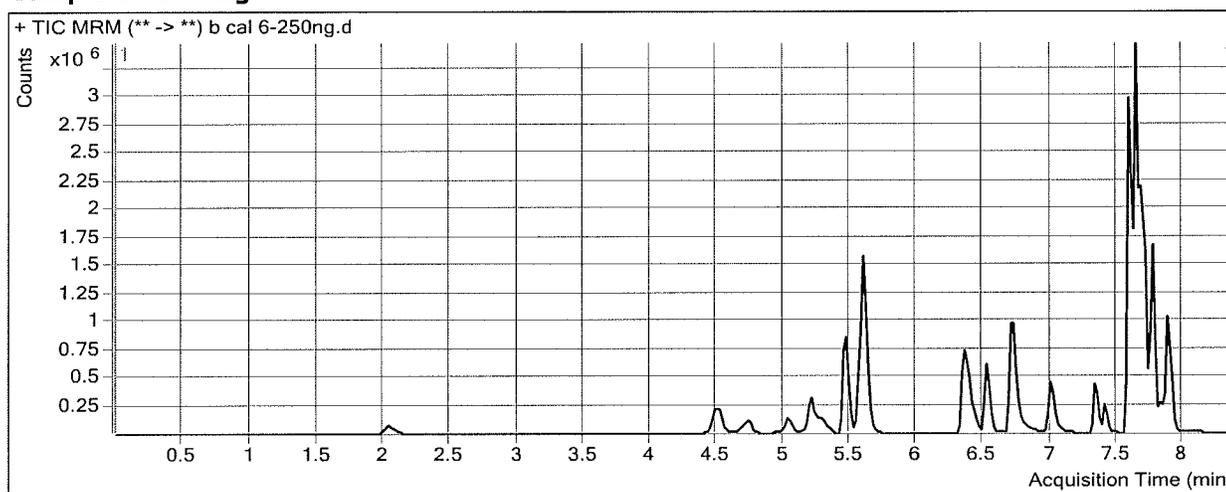
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin		
Analysis Time	7/12/2017 11:11 AM	Analyst Name	anord
Report Time	7/12/2017 3:31 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 11:11 AM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 15:41	Data File	b cal 6-250ng.d
Sample Type	Calibration	Sample Name	b cal 6-250ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	269401	44345	6.0751	250.0033
Dihydrocodeine	Dihydrocodeine-D6	4.516	590819	113348	5.2124	266.2427
Naloxone	Naloxone-D5	4.733	394396	97374	4.0503	242.4424
Noroxycodone	Noroxycodone-D3	5.037	371000	66291	5.5965	247.6951
Naltrexone	Naltrexone-D3	5.212	629144	117043	5.3753	257.6346
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	245210	422583	0.5803	26.0435
Naltrexol	Naltrexol-D3	5.471	1985739	311920	6.3662	260.2928
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	4389397	836568	5.2469	252.6853
Ketamine	Ketamine-D4	6.361	1733668	288974	5.9994	251.7732
Norfentanyl	Norfentanyl-D5	6.404	312754	566473	0.5521	24.5046
alpha-PVP	alpha-PVP-d8	6.729	2654671	495726	5.3551	239.6872
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.021	383289	843394	0.4545	24.6269
Norbuprenorphine	Norbuprenorphine-D3	7.295	6252	12921	0.4838	24.7974
Fentanyl	Fentanyl-D5	7.339	362668	617204	0.5876	25.1878
EDDP	EDDP-D3	7.410	420659	79976	5.2598	246.9327
Buprenorphine	Buprenorphine-D4	7.757	78180	93072	0.8400	25.3300
Quetiapine	Quetiapine-D8	7.580	4189367	236881	17.6855	244.9710
Sufentanil	Sufentanil-D5	7.579	251882	493566	0.5103	24.7301
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	1465834	258621	5.6679	246.4789
Methadone	Methadone-D9	7.643	3337355	679479	4.9116	251.3221
Fluoxetine	Fluoxetine-D6	7.685	3392842	616225	5.5058	249.3492
Oxazepam	Oxazepam-D5	7.730	172610	30691	5.6242	249.0572
Sertraline	Sertraline-D3	7.767	940978	184648	5.0961	225.1272

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	1199231	218634	5.4851	245.0977
Nordiazepam	Nordiazepam-D5	7.856	326771	37147	8.7967	249.3662
Diazepam	Diazepam-D5	7.891	1261874	208608	6.0490	241.9801



ISP FORENSICS - Cd'A Instrument # 62340

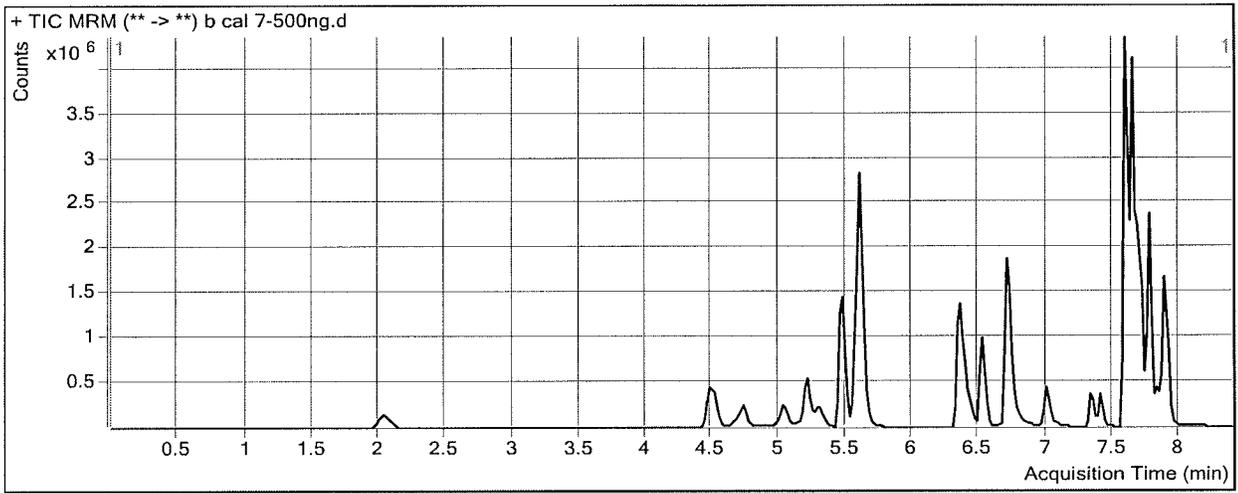
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin		
Analysis Time	7/12/2017 11:11 AM	Analyst Name	anord
Report Time	7/12/2017 3:31 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 11:11 AM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 16:07	Data File	b cal 7-500ng.d
Sample Type	Calibration	Sample Name	b cal 7-500ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	571823	46712	12.2414	502.7836
Dihydrocodeine	Dihydrocodeine-D6	4.496	1192400	120055	9.9321	507.6219
Naloxone	Naloxone-D5	4.733	827777	95916	8.6302	515.3756
Noroxycodone	Noroxycodone-D3	5.037	728996	63520	11.4766	507.4121
Naltrexone	Naltrexone-D3	5.212	1127942	107353	10.5068	503.0355
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	500861	419716	1.1933	53.4964
Naltrexol	Naltrexol-D3	5.471	3685243	298699	12.3376	504.9622
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	8614225	849786	10.1369	488.1307
Ketamine	Ketamine-D4	6.361	3491401	289650	12.0539	505.4237
Norfentanyl	Norfentanyl-D5	6.404	615706	538934	1.1425	50.1433
alpha-PVP	alpha-PVP-d8	6.709	5197858	460586	11.2853	504.8436
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	505472	537281	0.9408	50.8635
Norbuprenorphine	Norbuprenorphine-D3	7.295	7213	8460	0.8527	43.1595
Fentanyl	Fentanyl-D5	7.319	424687	364904	1.1638	49.8468
EDDP	EDDP-D3	7.410	659101	57239	11.5150	540.0937
Buprenorphine	Buprenorphine-D4	7.757	80931	46795	1.7295	51.9744
Quetiapine	Quetiapine-D8	7.580	6593136	188017	35.0667	485.8010
Sufentanil	Sufentanil-D5	7.579	297377	294776	1.0088	48.8361
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	1687107	155173	10.8724	472.6454
Methadone	Methadone-D9	7.643	3992611	413170	9.6634	493.9632
Fluoxetine	Fluoxetine-D6	7.685	3508448	320372	10.9512	495.5253
Oxazepam	Oxazepam-D5	7.730	315393	24541	12.8515	567.9839
Sertraline	Sertraline-D3	7.767	1041150	96687	10.7683	473.8028

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	2344095	206870	11.3313	503.2839
Nordiazepam	Nordiazepam-D5	7.856	542856	30297	17.9179	507.5145
Diazepam	Diazepam-D5	7.891	2267134	158433	14.3097	571.6271



ISP FORENSICS - Cd'A Instrument # 62340

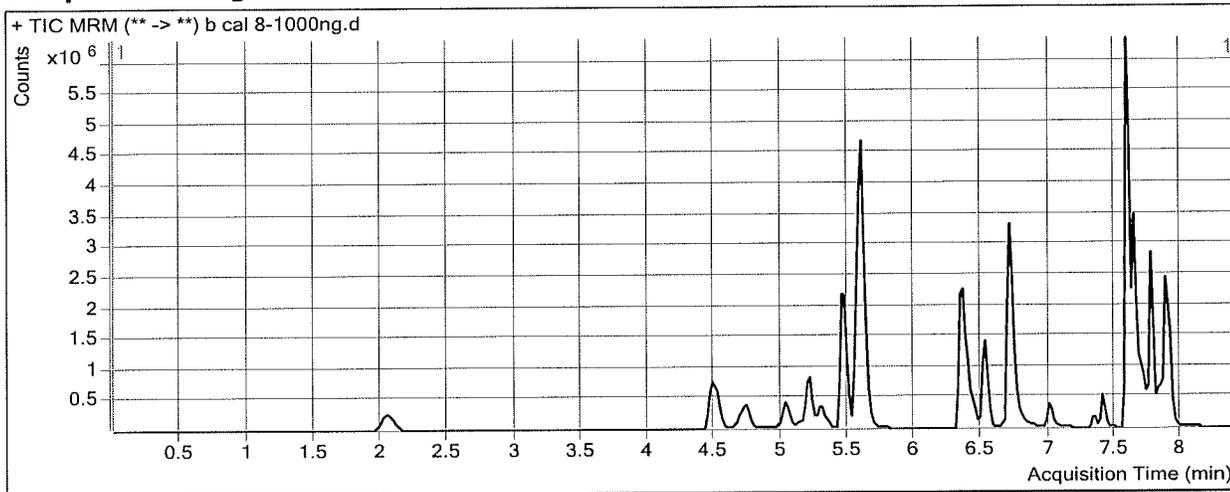
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\71117mdq\QuantResults\mdq p1b 71117.batch.bin		
Analysis Time	7/12/2017 11:11 AM	Analyst Name	anord
Report Time	7/12/2017 3:31 PM	Reporter Name	ISP Tox
Last Calib Update	7/12/2017 11:11 AM	Batch State	Processed

Analysis Info

Acq Time	2017-07-11 16:32	Data File	b cal 8-1000ng.d
Sample Type	Calibration	Sample Name	b cal 8-1000ng
Dilution	1	Acq Method	Quant Panel 1b 11-18-2016.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.049	1077617	44200	24.3803	1000.4070
Dihydrocodeine	Dihydrocodeine-D6	4.496	2090465	110701	18.8839	965.4422
Naloxone	Naloxone-D5	4.733	1490386	89249	16.6992	996.2362
Noroxycodone	Noroxycodone-D3	5.037	1270185	56328	22.5499	996.5050
Naltrexone	Naltrexone-D3	5.212	1855477	92361	20.0894	961.2988
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	957029	388953	2.4605	110.2412
Naltrexol	Naltrexol-D3	5.451	6096719	255931	23.8217	975.5014
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.598	15871225	758587	20.9221	1007.4160
Ketamine	Ketamine-D4	6.361	6331420	265247	23.8699	1000.4530
Norfentanyl	Norfentanyl-D5	6.404	1111871	482741	2.3032	100.5569
alpha-PVP	alpha-PVP-d8	6.709	8983123	407009	22.0711	987.1058
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.001	533333	287696	1.8538	100.1181
Norbuprenorphine	Norbuprenorphine-D3	7.295	7983	3711	2.1508	107.7908
Fentanyl	Fentanyl-D5	7.339	290415	116173	2.4999	107.0200
EDDP	EDDP-D3	7.410	978107	47338	20.6621	968.7919
Buprenorphine	Buprenorphine-D4	7.757	54065	13727	3.9385	118.1428
Quetiapine	Quetiapine-D8	7.580	10433447	142616	73.1576	1013.5789
Sufentanil	Sufentanil-D5	7.579	188644	90062	2.0946	101.3425
Cyclobenzaprine	Cyclobenzaprine-D3	7.633	951201	40391	23.5501	1023.5598
Methadone	Methadone-D9	7.643	3461180	176001	19.6657	1004.7192
Fluoxetine	Fluoxetine-D6	7.685	1421634	63876	22.2560	1006.6030
Oxazepam	Oxazepam-D5	7.730	651801	30049	21.6910	958.0519
Sertraline	Sertraline-D3	7.767	420224	17482	24.0371	1055.5212

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.768	4235257	186146	22.7523	1007.6763
Nordiazepam	Nordiazepam-D5	7.856	953519	27133	35.1429	995.0165
Diazepam	Diazepam-D5	7.891	3494570	146878	23.7923	950.0307

