


















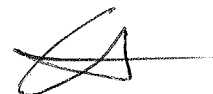
Worklist: 1852

Bylee

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-1519	1	92947	AM 28 Blood Multi-Drug Quant	
C2017-1554	1	92948	AM 28 Blood Multi-Drug Quant	
C2017-1555	1	92949	AM 28 Blood Multi-Drug Quant	
C2017-1598	1	92950	AM 28 Blood Multi-Drug Quant	
C2017-1600	1	92951	AM 28 Blood Multi-Drug Quant	
C2017-1601	1	92952	AM 28 Blood Multi-Drug Quant	
C2017-1606	1	92953	AM 28 Blood Multi-Drug Quant	
C2017-1609	1	92954	AM 28 Blood Multi-Drug Quant	
C2017-1610	1	92955	AM 28 Blood Multi-Drug Quant	
C2017-1649	1	92956	AM 28 Blood Multi-Drug Quant	
C2017-1650	1	92957	AM 28 Blood Multi-Drug Quant	
C2017-1652	1	92958	AM 28 Blood Multi-Drug Quant	
C2017-1653	1	92959	AM 28 Blood Multi-Drug Quant	
C2017-1655	1	92960	AM 28 Blood Multi-Drug Quant	
C2017-1656	1	92961	AM 28 Blood Multi-Drug Quant	
C2017-1671	1	92962	AM 28 Blood Multi-Drug Quant	
M2017-3469	1	92963	AM 28 Blood Multi-Drug Quant	



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



Extraction Date: 822-17
Plate lot#: 0507680

Analyst: Ann Nord
Plate Expiration: ~~5/31/2018~~ 6/5/2018 amn

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

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

Blank Blood Lot: 321632-1
LCMS-QQQ ID: 62340

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

Pre-Analytic:

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


Analytic:

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

Post-Analytic

- 1. Create batch and process data.
Worklist path: 82217 mda pl Batch Name: 82217 mda pl b
82217 mda pl a
- 2. Make necessary changes to integration limits *82217 morphine hydromorphone resun*
- 3. Integration linear and r^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions > 10 .
- 5. Did all QCs pass for each analyte? Y/N see notes below
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

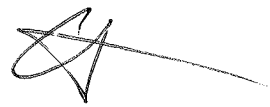
COMMENTS: Lorazepam curve 5-500
nor buprenorphine curve 2.5-100
buprenorphine curve 1.0-100

oxymorphone not evaluated, due to retention time shifts in calibrators & controls.
hydromorphone not evaluated due to retention time shifts in calibrators & controls
morphine had RT shifts in calibrators & controls, samples, calibrators, and controls reanalyzed and another batch was generated. 

Toxicology AM method 28 panel 1 external prep information
working solution 10000 ng/ml in meoh morphine, dextromethorphan, lorazepam, oxazepam
Stock solution 1mg/ml 100 ul each in 9600 ul meOH lot (Fisher 168427)
Ppd 8/17/17 Exp: 2/17/17 lot 21717 by AMN

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

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



ISP FORENSICS - Cd'A Instrument # 62340

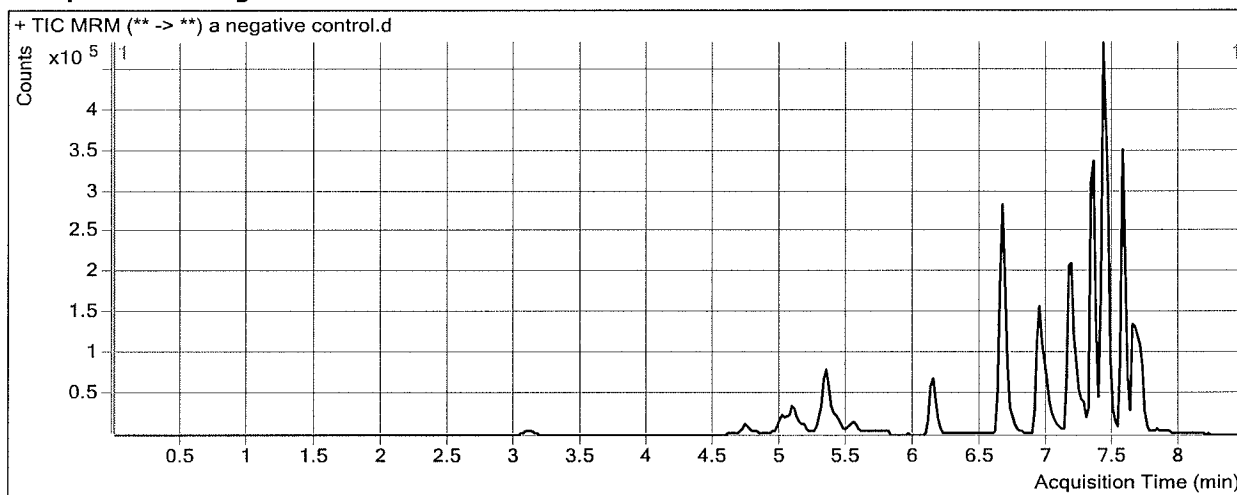
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 15:45 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

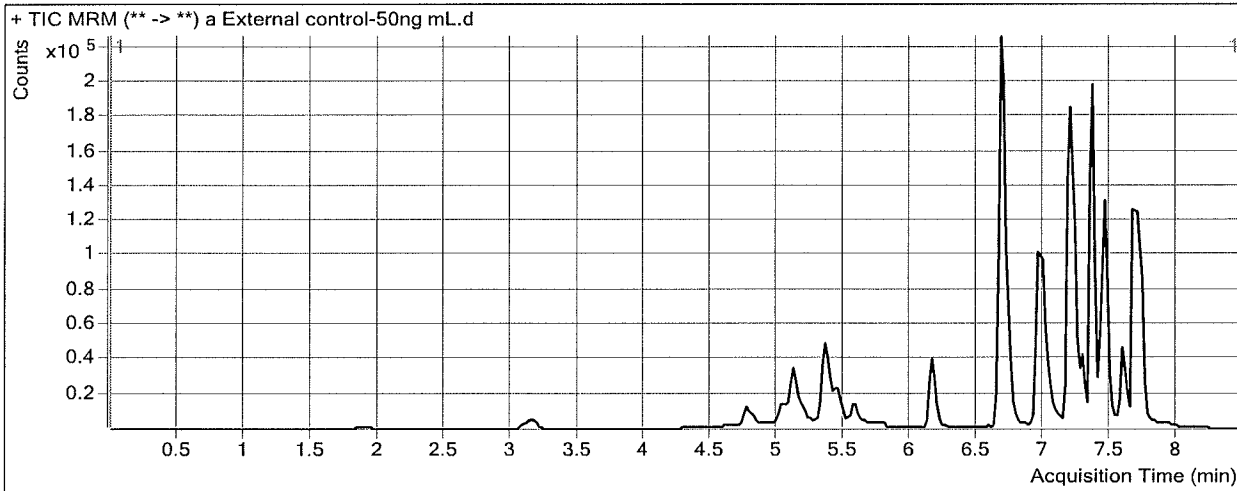
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin		
Analysis Time	8/23/2017 1:00 PM	Analyst Name	ISP Tox
Report Time	8/23/2017 1:05 PM	Reporter Name	ISP Tox
Last Calib Update	8/23/2017 1:00 PM	Batch State	Processed

Analysis Info

Acq Time	2017-08-22 16:10	Data File	a External control-50ng mL.d
Sample Type	Sample	Sample Name	a External control-50ng mL
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-F2	Sample Info	
Inj Vol	-1	Comment	AM 28; lot 21717

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	7997	2770	2.8876	33.4781
Methamphetamine	Methamphetamine-D11	5.461	18428	113946	0.1617	4.2059 <5
Dextromethorphan	Dextromethorphan-D3	7.448	13176	19360	0.6806	34.2155
Lorazepam	Alprazolam-D5	7.722	14220	187037	0.0760	35.4954

ISP FORENSICS - Cd'A Instrument # 62340

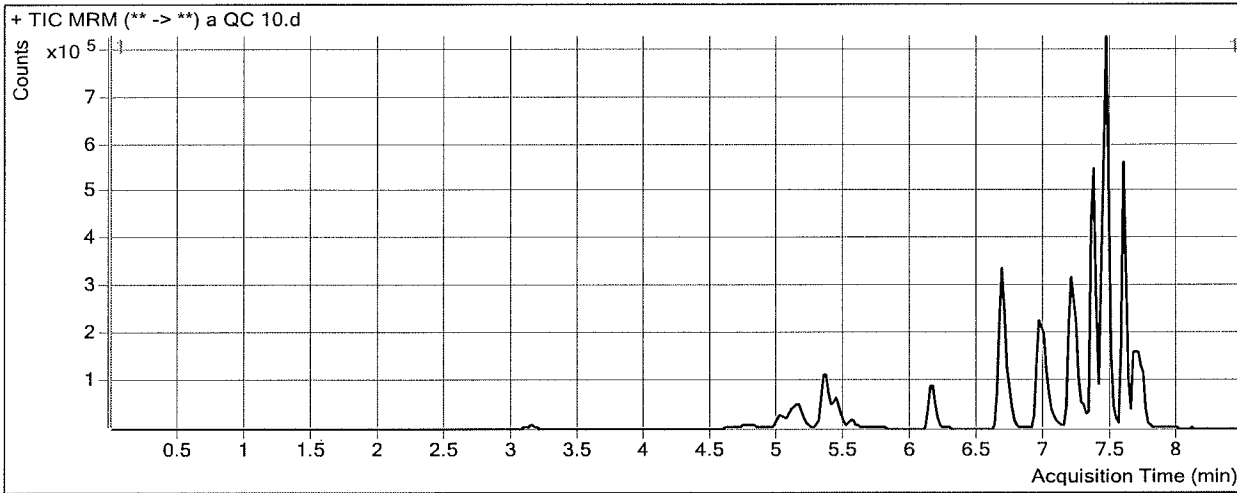
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 16:36 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	2365	2971	0.7961	8.4106 <i>Not evaluated</i>
Hydromorphone	Hydromorphone-D6	3.150	10718	36271	0.2955	10.0345 <i>Rt shifts A</i>
Codeine	Codeine-D6	4.813	5363	22465	0.2387	9.7795
Oxycodone	Oxycodone-D6	5.130	23276	110683	0.2103	9.1127
Amphetamine	Amphetamine-D11	5.165	116638	111628	1.0449	10.0988
Hydrocodone	Hydrocodone-D6	5.355	18988	100868	0.1883	10.1891
Norhydrocodone	Norhydrocodone-D3	5.457	1665	44566	0.0374	10.1362 <i>not evaluated</i>
Methamphetamine	Methamphetamine-D11	5.441	108756	372004	0.2924	9.2461 <i>A</i>
6-MAM	6-MAM-D6	5.569	929	36060	0.0258	0.9548
Phentermine	Phentermine-D5	6.186	20432	351791	0.0581	9.0150
Dextrophan	Dextrophan-D3	6.666	21433	184886	0.1159	9.6636
7-aminoclonazepam	7-Aminoclonazepam-D4	6.697	20934	95436	0.2193	9.4393
Tramadol	Tramadol-13C-D3	6.704	164824	824586	0.1999	10.3528
Doxylamine	Doxylamine-D5	6.984	164868	832556	0.1980	10.3314
Zolpidem	Zolpidem-D6	7.203	117026	590316	0.1982	10.0708
Bupropion	Bupropion-D9	7.231	66668	339506	0.1964	10.7829
Meprobamate	Meprobamate-D7	7.313	10466	64539	0.1622	9.0008
Trazodone	Trazodone-D6	7.375	108458	514782	0.2107	9.5409
Venlafaxine	Venlafaxine-D6	7.366	168482	773823	0.2177	10.0163
Citalopram	Citalopram-D6	7.437	127090	611459	0.2078	10.1480
Dextromethorphan	Dextromethorphan-D3	7.448	25548	155321	0.1645	8.5260
Diphenhydramine	Diphenhydramine-D3	7.452	179170	1024582	0.1749	9.2226
Promethazine	Promethazine-D3	7.587	198587	1071226	0.1854	10.7275 <i>A</i>

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

Pl a Qc10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.622	9160	13000	0.7046	10.4719
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	3431	16836	0.2038	10.0877
Carisoprodol	Carisoprodol-D7	7.691	51273	293485	0.1747	9.6974
Alprazolam	Alprazolam-D5	7.725	44523	184950	0.2407	9.7906
Lorazepam	Alprazolam-D5	7.722	3123	184950	0.0169	8.4548

ISP FORENSICS - Cd'A Instrument # 62340

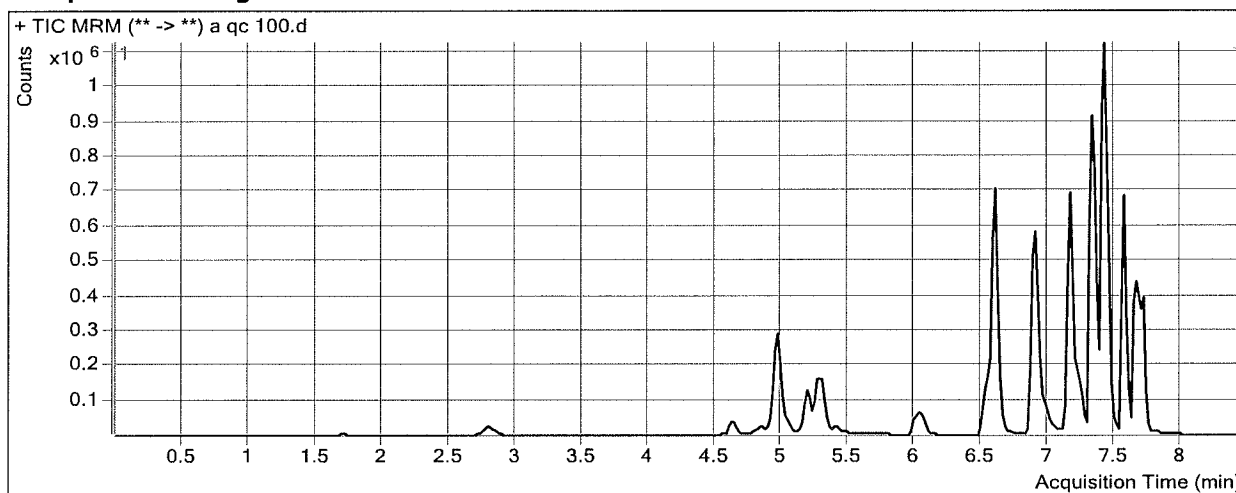
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 20:11 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.708	17995	1658	10.8526	128.9403
Hydromorphone	Hydromorphone-D6	2.809	90074	29145	3.0906	98.7953
Codeine	Codeine-D6	4.633	43494	18382	2.3661	93.4012
Oxycodone	Oxycodone-D6	4.970	255895	94707	2.7020	112.5969
Amphetamine	Amphetamine-D11	4.984	598994	74122	8.0811	108.2214
Hydrocodone	Hydrocodone-D6	5.215	169691	88679	1.9136	103.1030
Norhydrocodone	Norhydrocodone-D3	5.298	11294	32528	0.3472	90.3453
Methamphetamine	Methamphetamine-D11	5.301	453408	175973	2.5766	97.3821
6-MAM	6-MAM-D6	5.408	6684	28075	0.2381	9.3402
Phentermine	Phentermine-D5	6.066	130467	212231	0.6147	106.2288
Dextroprphan	Dextroprphan-D3	6.543	162138	126706	1.2796	100.0532
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	179630	77602	2.3148	90.6253
Tramadol	Tramadol-13C-D3	6.600	1415713	743829	1.9033	98.7163
Doxylamine	Doxylamine-D5	6.902	1196499	611458	1.9568	94.4248
Zolpidem	Zolpidem-D6	7.163	1012368	492395	2.0560	103.0910
Bupropion	Bupropion-D9	7.171	276437	139339	1.9839	94.9371
Meprobamate	Meprobamate-D7	7.253	93874	52281	1.7956	96.7390
Trazodone	Trazodone-D6	7.335	639366	274161	2.3321	107.4248
Venlafaxine	Venlafaxine-D6	7.326	1310526	592781	2.2108	104.2925
Citalopram	Citalopram-D6	7.397	683494	332619	2.0549	95.8156
Dextromethorphan	Dextromethorphan-D3	7.408	153215	70477	2.1740	108.5474
Diphenhydramine	Diphenhydramine-D3	7.432	949542	472944	2.0077	105.2246
Promethazine	Promethazine-D3	7.566	954387	559070	1.7071	96.0101

not evaluated *

not evaluated A

ISP FORENSICS - Cd'A Instrument # 62340 ^{PI} a qc 100
Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	76215	10721	7.1087	98.6819
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	30109	12589	2.3917	98.3755
Carisoprodol	Carisoprodol-D7	7.671	409970	211879	1.9349	105.4315
Alprazolam	Alprazolam-D5	7.705	364496	138743	2.6271	102.5102
Lorazepam	Alprazolam-D5	7.681	28851	138743	0.2079	95.8117



ISP FORENSICS - Cd'A Instrument # 62340

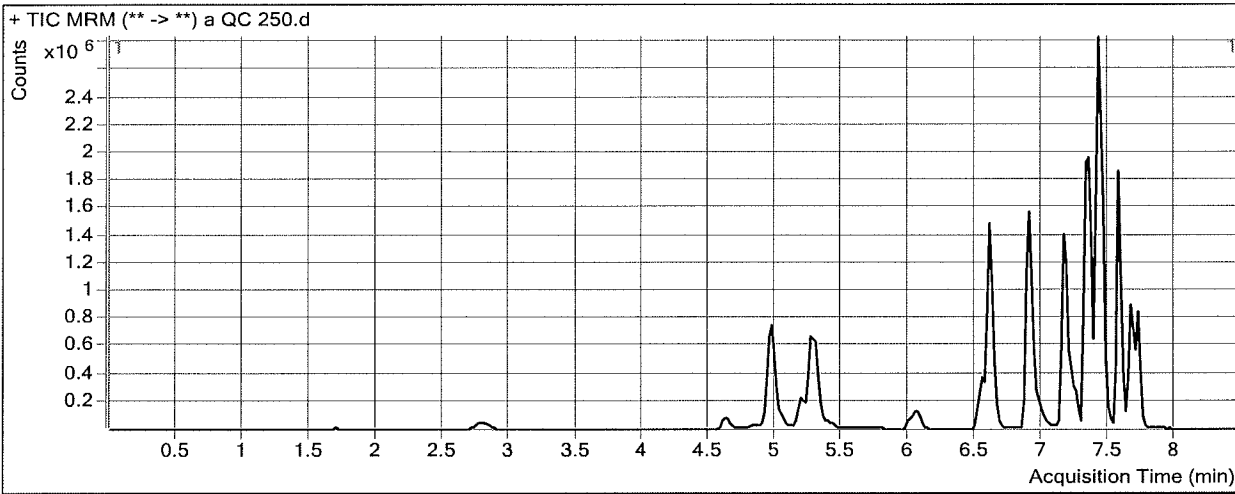
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 22:30 **Data File** a QC 250.d
Sample Type QC **Sample Name** a QC 250
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.708	43419	1556	27.9105	333.3845 Not evaluated
Hydromorphone	Hydromorphone-D6	2.789	215853	27853	7.7497	246.7519 in this batch
Codeine	Codeine-D6	4.612	104883	17070	6.1442	241.9083
Oxycodone	Oxycodone-D6	4.970	632403	91397	6.9193	287.7498
Amphetamine	Amphetamine-D11	4.984	1671104	97544	17.1318	234.4363
Hydrocodone	Hydrocodone-D6	5.215	383185	78183	4.9011	263.9943
Norhydrocodone	Norhydrocodone-D3	5.298	26498	30390	0.8720	226.1885 not evaluated
Methamphetamine	Methamphetamine-D11	5.281	1999101	292212	6.8413	261.9339
6-MAM	6-MAM-D6	5.408	17502	27893	0.6275	24.7193
Phentermine	Phentermine-D5	6.066	423939	288945	1.4672	255.1000
Dextropropion	Dextropropion-D3	6.543	438895	139519	3.1458	245.0027
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	411315	68955	5.9649	232.0490
Tramadol	Tramadol-13C-D3	6.600	3554035	746936	4.7582	246.8129
Doxylamine	Doxylamine-D5	6.902	3169562	694926	4.5610	218.9422
Zolpidem	Zolpidem-D6	7.163	2449823	492102	4.9783	249.4120
Bupropion	Bupropion-D9	7.171	682235	145300	4.6954	222.5865
Meprobamate	Meprobamate-D7	7.253	226689	49881	4.5446	244.4043
Trazodone	Trazodone-D6	7.355	1890531	325176	5.8139	268.0784
Venlafaxine	Venlafaxine-D6	7.326	3493494	636280	5.4905	259.4275
Citalopram	Citalopram-D6	7.397	2047348	378073	5.4152	251.6711
Dextromethorphan	Dextromethorphan-D3	7.428	451630	85357	5.2911	263.6979
Diphenhydramine	Diphenhydramine-D3	7.432	2650670	597038	4.4397	232.6072
Promethazine	Promethazine-D3	7.566	2916102	734891	3.9681	222.7239

ISP FORENSICS - Cd'A Instrument # 62340 *p1 a qc 250*
Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	172252	9696	17.7648	245.4591
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	64899	11450	5.6682	230.5906
Carisoprodol	Carisoprodol-D7	7.671	743507	182964	4.0637	221.2100
Alprazolam	Alprazolam-D5	7.705	782235	118001	6.6291	257.9988
Lorazepam	Alprazolam-D5	7.702	67268	118001	0.5701	261.3723

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

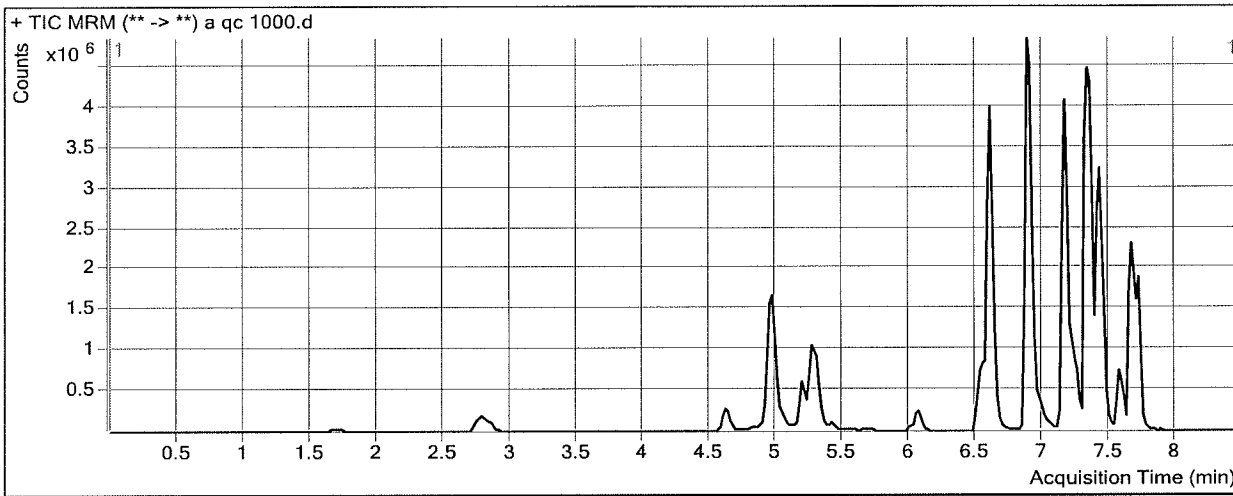
pl a qc 1000

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 22:56 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.708	160473	1413	113.5503	1359.7997
Hydromorphone	Hydromorphone-D6	2.809	811011	24640	32.9142	1045.8805
Codeine	Codeine-D6	4.612	378304	13977	27.0660	1064.2840
Oxycodone	Oxycodone-D6	4.970	2289761	85396	26.8135	1113.9994
Amphetamine	Amphetamine-D11	4.984	3339155	57189	58.3878	809.7624
Hydrocodone	Hydrocodone-D6	5.194	1400395	76973	18.1934	979.8317
Norhydrocodone	Norhydrocodone-D3	5.278	94382	21839	4.3217	1119.2272
Methamphetamine	Methamphetamine-D11	5.281	2948317	118489	24.8825	958.0484
6-MAM	6-MAM-D6	5.408	63882	24024	2.6591	104.9588
Phentermine	Phentermine-D5	6.066	903002	157435	5.7357	1000.5474
Dextroprphan	Dextroprphan-D3	6.543	1100476	85468	12.8759	1000.7785
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	1206006	50173	24.0369	932.2358
Tramadol	Tramadol-13C-D3	6.600	11461486	601666	19.0496	988.1820
Doxylamine	Doxylamine-D5	6.883	10667169	571916	18.6516	892.6685
Zolpidem	Zolpidem-D6	7.163	8500559	427433	19.8874	995.9289
Bupropion	Bupropion-D9	7.151	1343374	66970	20.0593	945.8898
Meprobamate	Meprobamate-D7	7.253	821553	44218	18.5796	998.2914
Trazodone	Trazodone-D6	7.355	4631578	181455	25.5247	1177.5567
Venlafaxine	Venlafaxine-D6	7.326	9869450	443282	22.2645	1052.8660
Citalopram	Citalopram-D6	7.397	2699103	121911	22.1399	1027.3774
Dextromethorphan	Dextromethorphan-D3	7.428	441506	19386	22.7746	1133.9281
Diphenhydramine	Diphenhydramine-D3	7.432	3499139	195189	17.9269	939.0439
Promethazine	Promethazine-D3	7.566	1362167	74482	18.2885	1025.2938

not evaluated in this batch

not evaluated

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

PI a QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	624005	8630	72.3089	996.7500
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	291133	12659	22.9977	929.8747
Carisoprodol	Carisoprodol-D7	7.671	2438896	133868	18.2186	991.0643
Alprazolam	Alprazolam-D5	7.705	2174990	80939	26.8721	1044.5104
Lorazepam	Alprazolam-D5	7.681	273821	80939	3.3831	1547.5058

out side
curve range
A

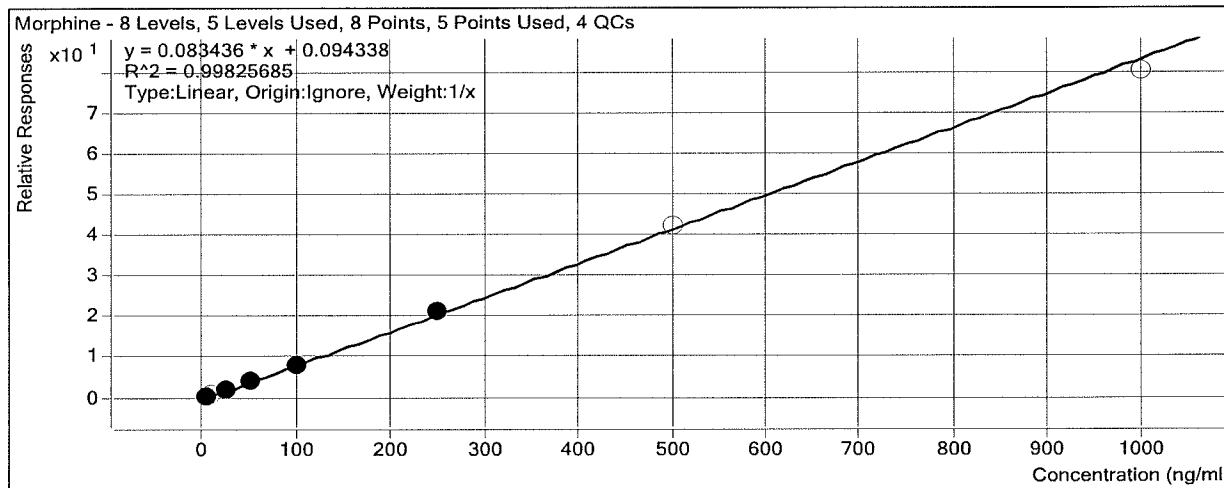
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.6	112.6
a cal 2-10ng	2	<input type="checkbox"/>	10	8.6	86.3
a QC 10	2	<input type="checkbox"/>	10	8.4	84.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.6	93.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.5	98.5
a qc 100	5	<input checked="" type="checkbox"/>	100	128.9	128.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.0	102.4
a QC 250	6	<input checked="" type="checkbox"/>	250	333.4	133.4
a cal 7-500ng	7	<input type="checkbox"/>	500	508.1	101.6
a cal 8-1000ng	8	<input type="checkbox"/>	1000	958.4	95.8
a qc 1000	8	<input type="checkbox"/>	1000	1359.8	136.0

Not evaluated in this batch
retention time shifts in calibrators and
controls too great.

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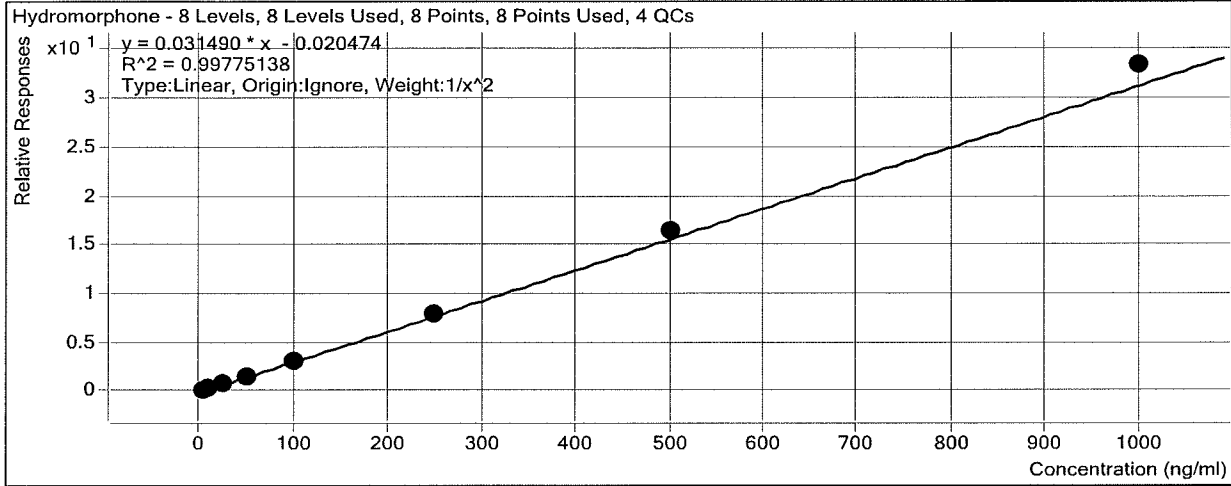
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.1	103.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a qc 100	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.7	101.1
a QC 250	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	520.3	104.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1061.4	106.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1045.9	104.6

not evaluated in this batch retention
time shifts in controls & calibrators too
great.

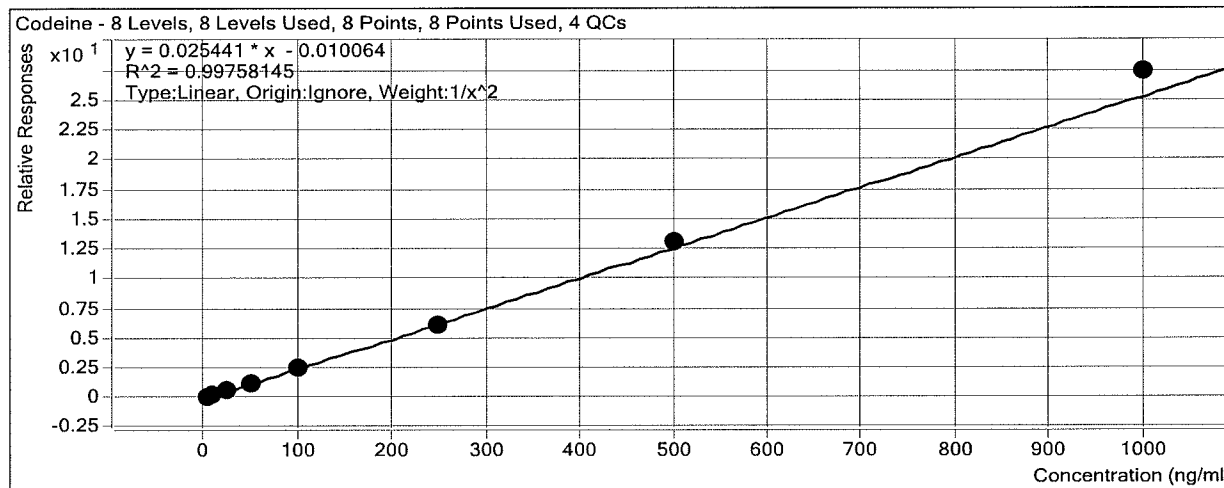
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

Target Compound Codeine
Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.1	102.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a qc 100	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.0	97.2
a QC 250	6	<input checked="" type="checkbox"/>	250	241.9	96.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.0	103.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1075.6	107.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1064.3	106.4

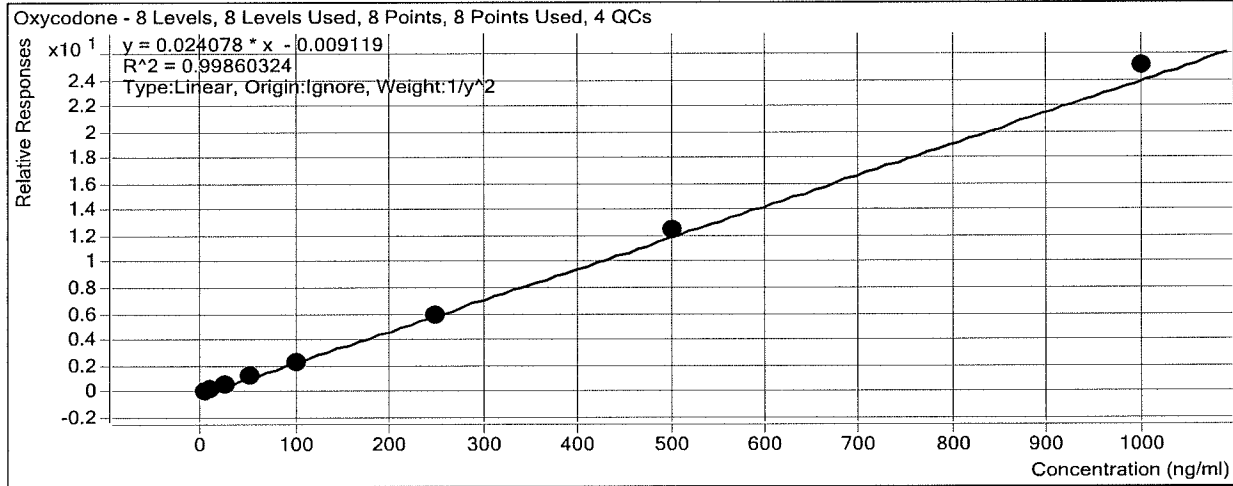
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.1	102.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	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	112.6	112.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.2	99.3
a QC 250	6	<input checked="" type="checkbox"/>	250	287.7	115.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.8	103.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1041.8	104.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1114.0	111.4

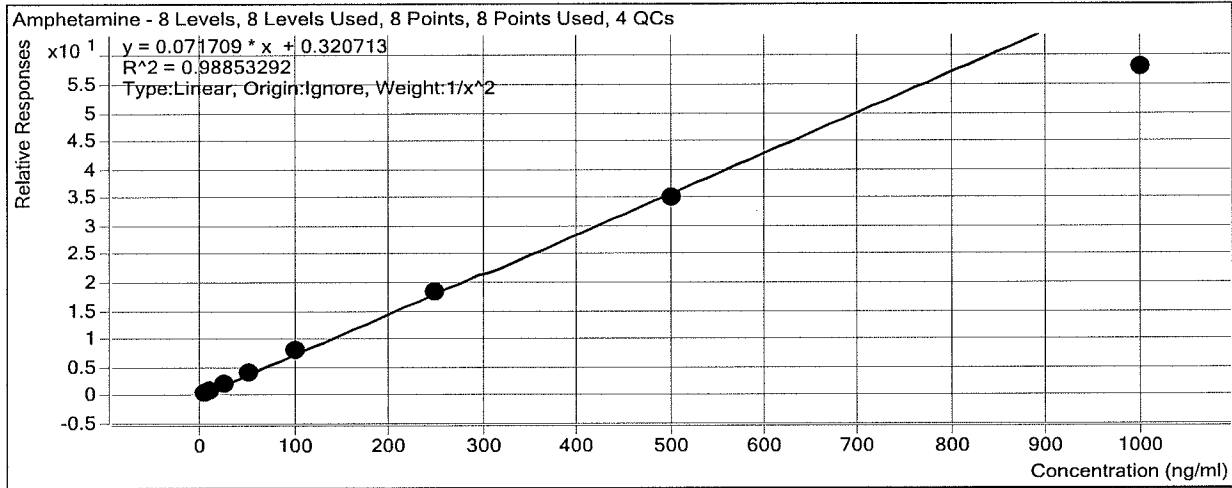
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.8	95.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.3	109.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.3	108.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a qc 100	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250	6	<input checked="" type="checkbox"/>	250	234.4	93.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	485.4	97.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	804.2	80.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	809.8	81.0

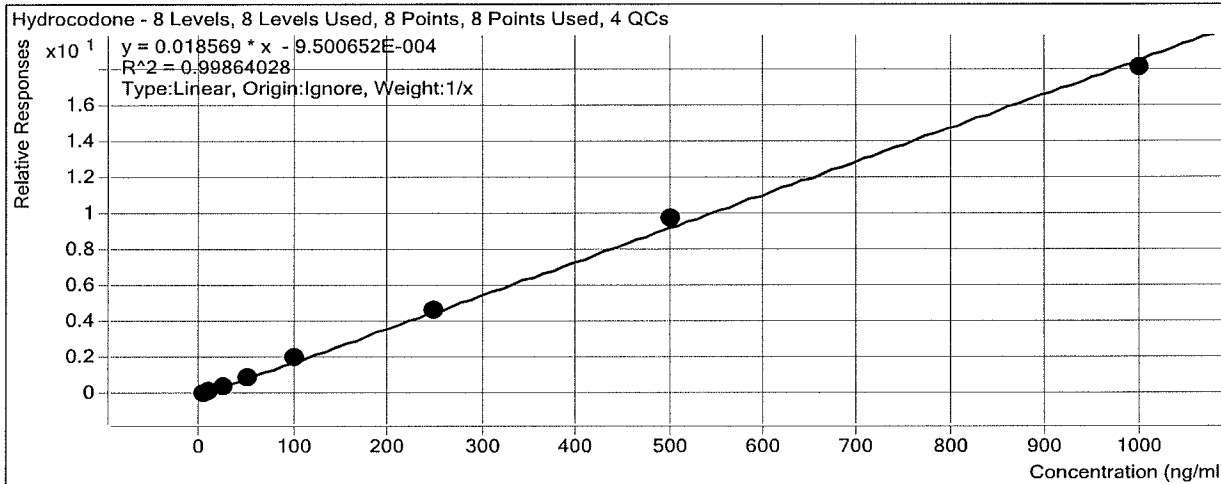
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.8	96.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.5	106.5
a qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.6
a QC 250	6	<input checked="" type="checkbox"/>	250	264.0	105.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	523.6	104.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	971.2	97.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	979.8	98.0

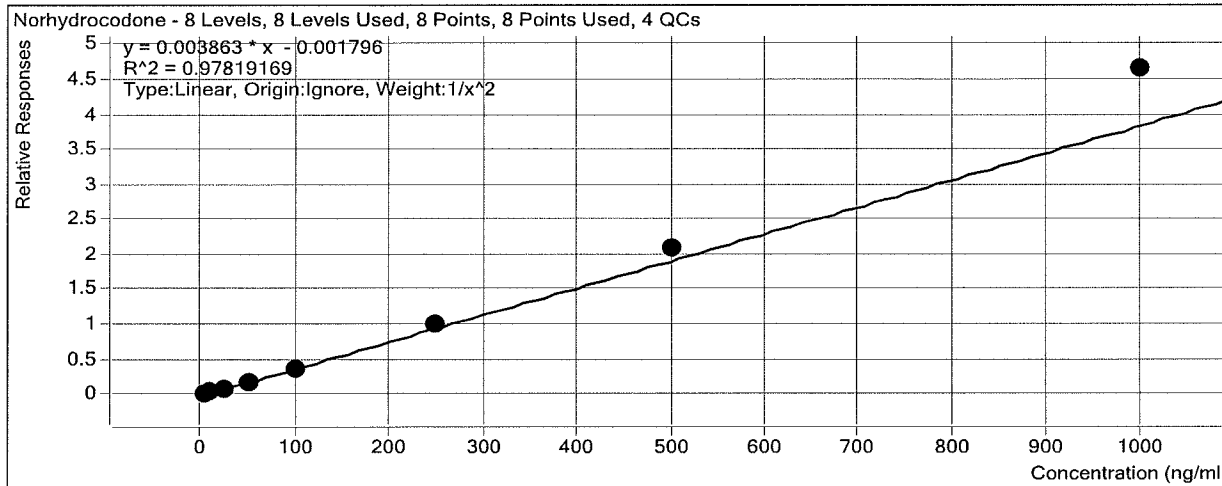
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.3	106.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.1	80.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	42.5	85.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.7	96.7
a qc 100	5	<input checked="" type="checkbox"/>	100	90.3	90.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	263.6	105.5
a QC 250	6	<input checked="" type="checkbox"/>	250	226.2	90.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	540.2	108.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1203.8	120.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1119.2	111.9

Curve fit below acceptance criteria
not evaluated in this run.

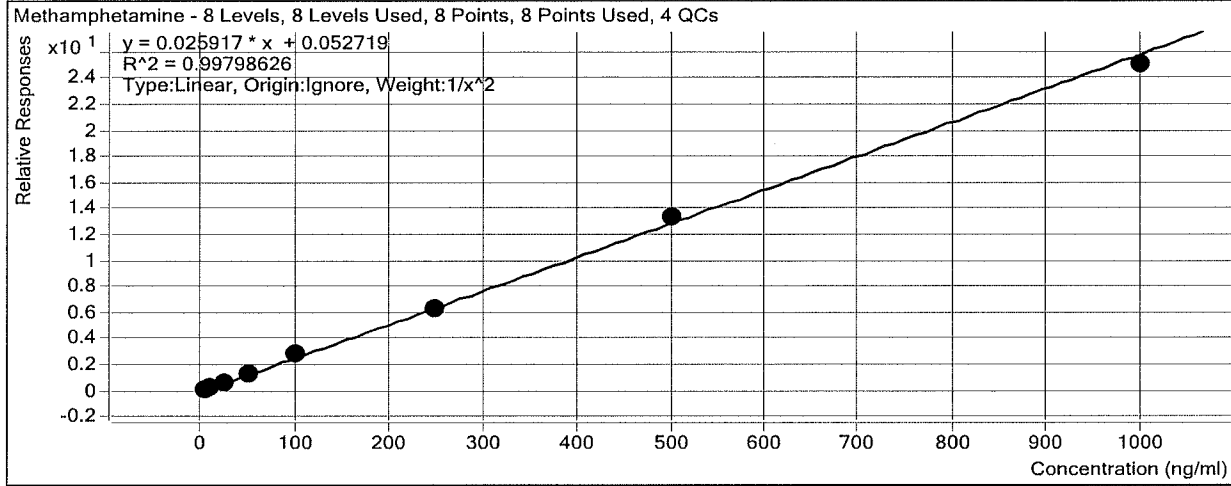
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.0	100.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.1	108.1
a qc 100	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.2	96.1
a QC 250	6	<input checked="" type="checkbox"/>	250	261.9	104.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.9	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	963.7	96.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	958.0	95.8

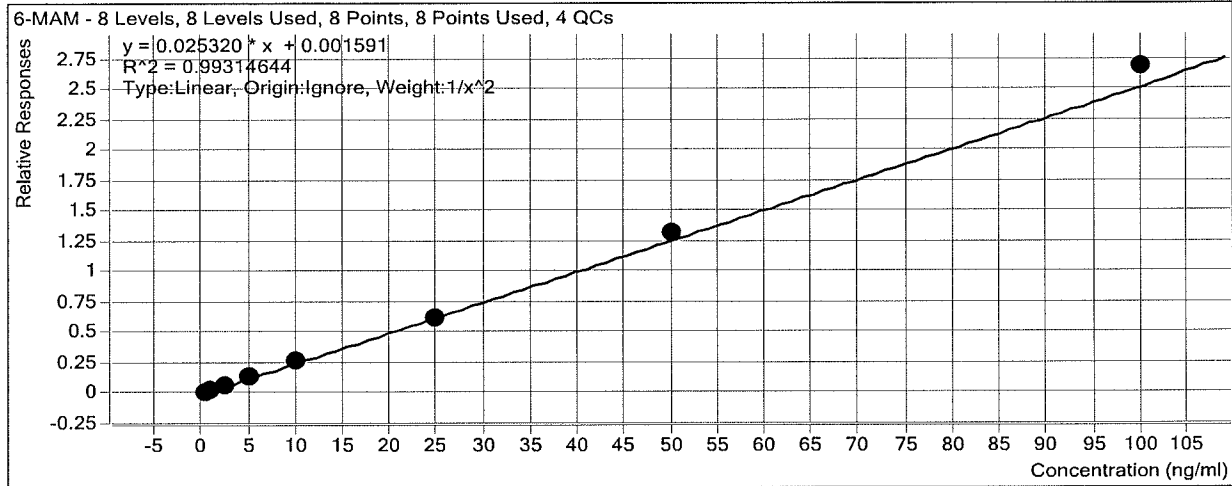
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



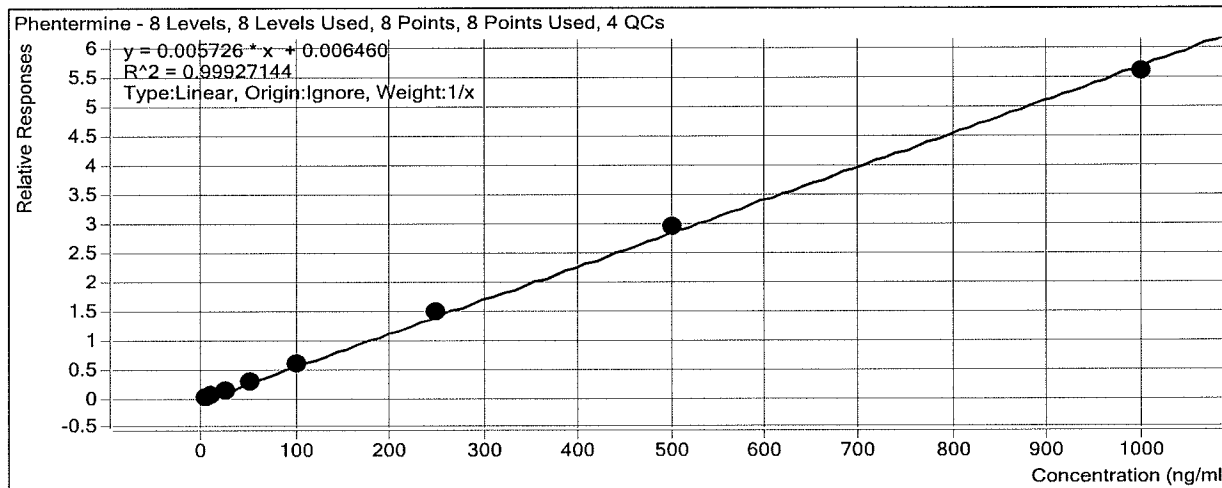
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	0.5	0.5	107.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	87.3
a QC 10	2	<input checked="" type="checkbox"/>	1	1.0	95.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	91.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.4	103.7
a qc 100	5	<input checked="" type="checkbox"/>	10	9.3	93.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.7	98.7
a QC 250	6	<input checked="" type="checkbox"/>	25	24.7	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.9	103.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	106.0	106.0
a qc 1000	8	<input checked="" type="checkbox"/>	100	105.0	105.0

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.2	104.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.0	90.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.4	104.4
a qc 100	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.2	102.5
a QC 250	6	<input checked="" type="checkbox"/>	250	255.1	102.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.9	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	978.0	97.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.5	100.1

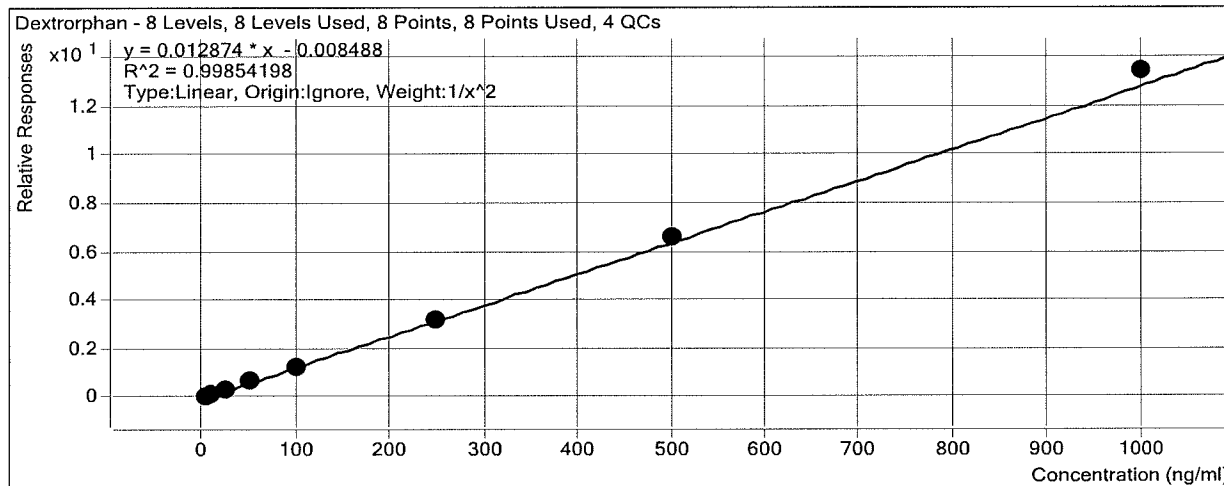
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.2	103.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.3	99.3
a qc 100	5	<input checked="" type="checkbox"/>	100	100.1	100.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.5	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	245.0	98.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	514.4	102.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1043.8	104.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.8	100.1

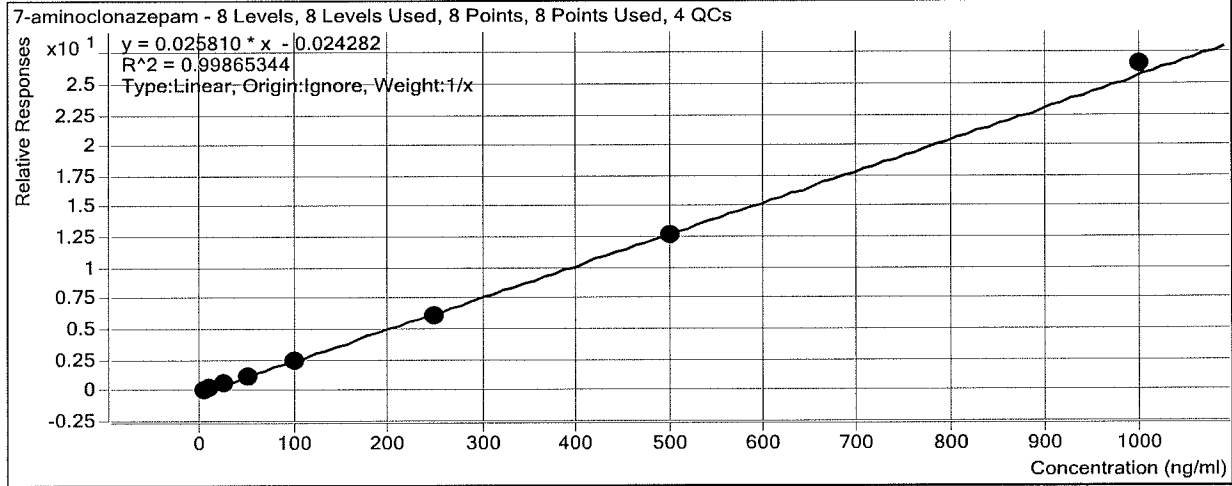
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.5	109.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.0	109.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.3	98.3
a qc 100	5	<input checked="" type="checkbox"/>	100	90.6	90.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.8	94.3
a QC 250	6	<input checked="" type="checkbox"/>	250	232.0	92.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.7	97.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1029.6	103.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	932.2	93.2

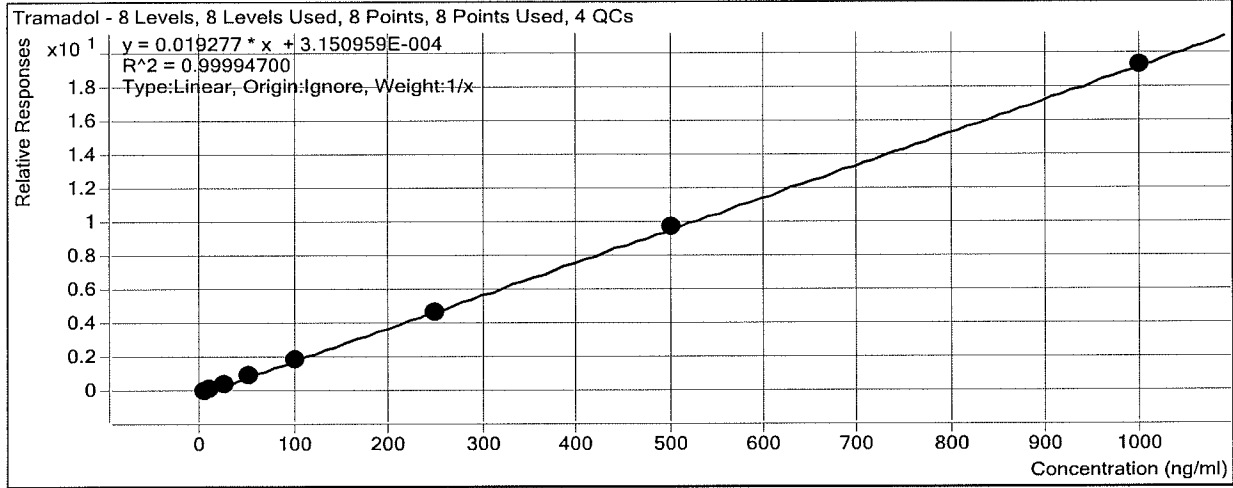
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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

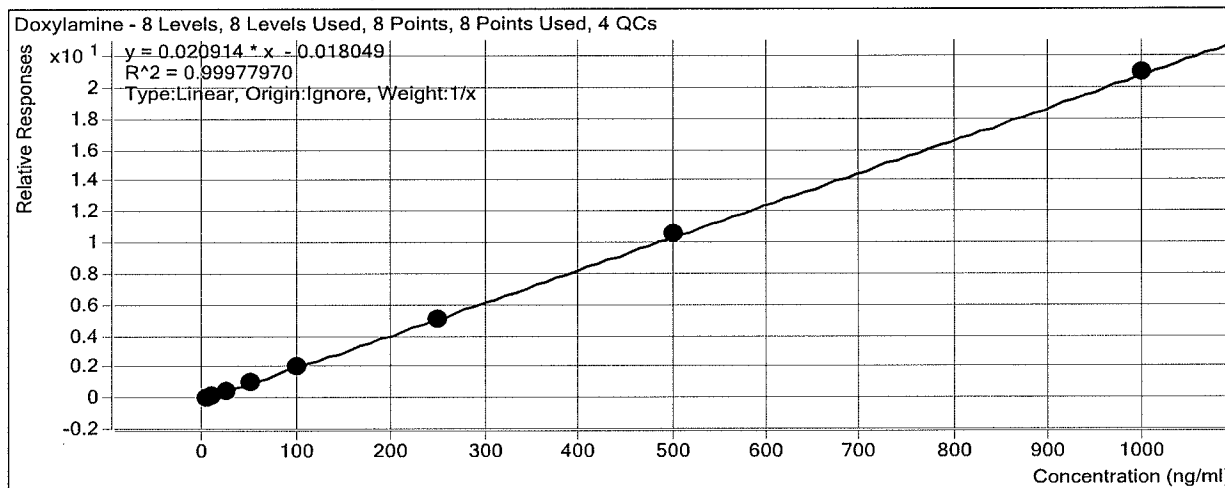


Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.1	101.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.6	100.6
a qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.6	98.7
a QC 250	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.3	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.5	99.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	988.2	98.8

ISP Forensics Calibration Curve Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Last Calib Update 8/23/2017 1:00 PM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.9	97.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	104.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.3	100.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a qc 100	5	<input checked="" type="checkbox"/>	100	94.4	94.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.0	98.0
a QC 250	6	<input checked="" type="checkbox"/>	250	218.9	87.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.3	101.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.6	100.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	892.7	89.3

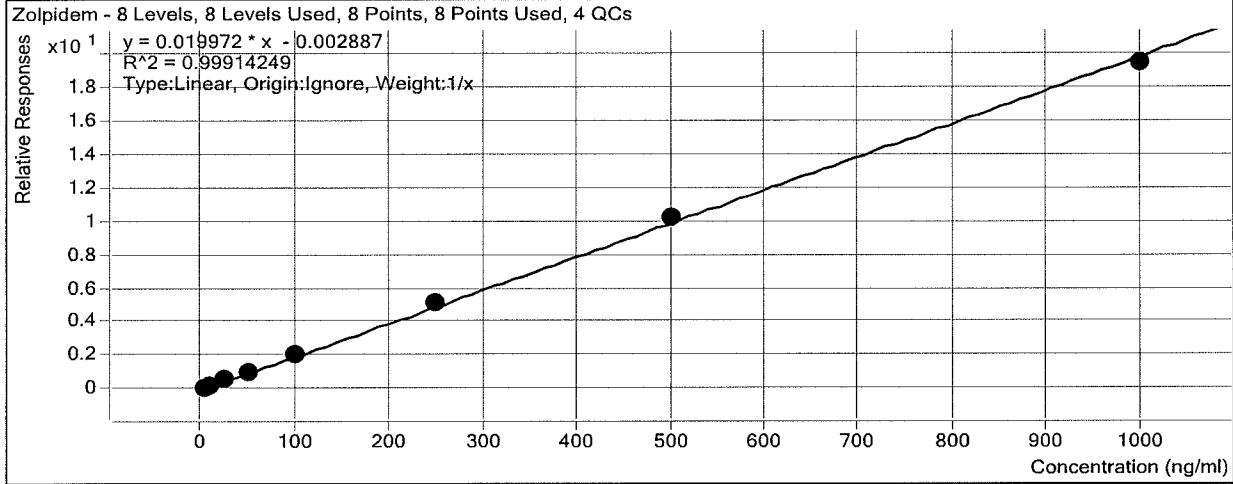
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.3	86.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.7	103.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a qc 100	5	<input checked="" type="checkbox"/>	100	103.1	103.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.0	102.8
a QC 250	6	<input checked="" type="checkbox"/>	250	249.4	99.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.8	103.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	975.0	97.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	995.9	99.6

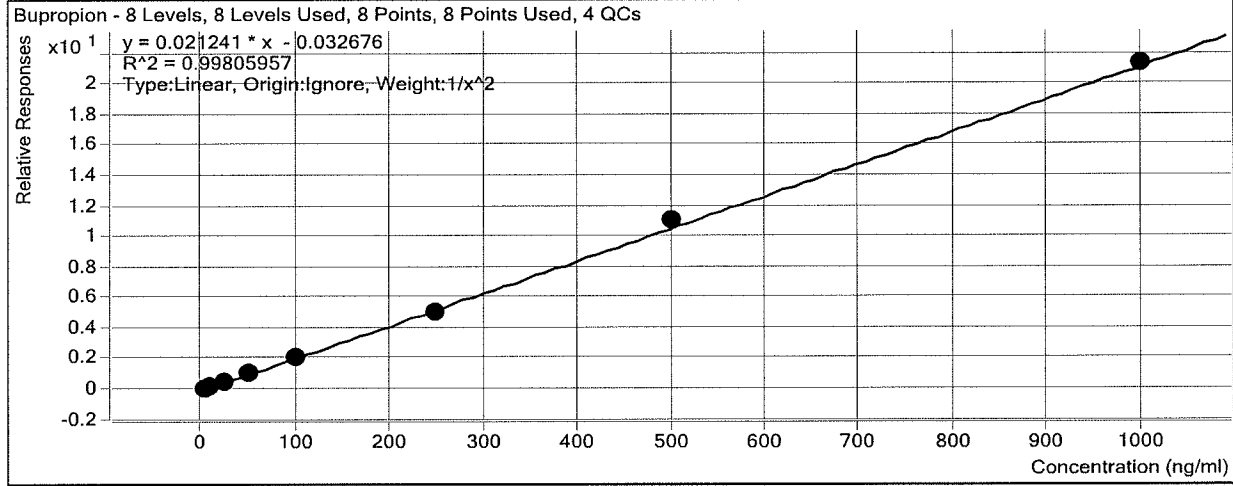
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.9	97.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a qc 100	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.0	94.0
a QC 250	6	<input checked="" type="checkbox"/>	250	222.6	89.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	519.1	103.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.2	100.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	945.9	94.6

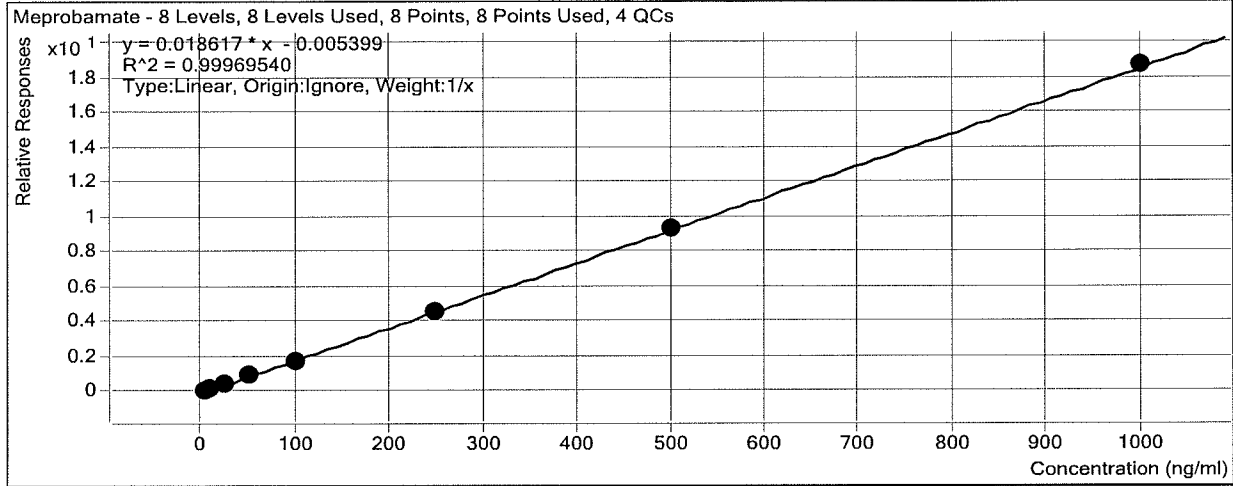
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.0	99.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	106.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.0	90.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.6	103.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.0	94.0
a qc 100	5	<input checked="" type="checkbox"/>	100	96.7	96.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.1	98.9
a QC 250	6	<input checked="" type="checkbox"/>	250	244.4	97.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.9	100.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.5	100.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	998.3	99.8

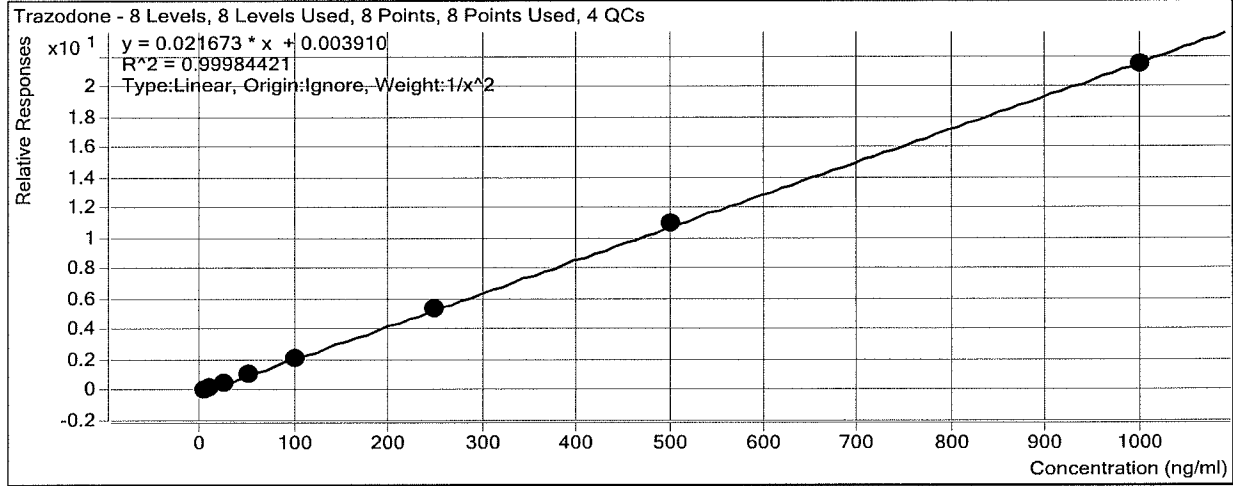
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

Target Compound *Trazodone*
Internal Standard *Trazodone-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	107.4	107.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.8	98.7
a QC 250	6	<input checked="" type="checkbox"/>	250	268.1	107.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.6	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	990.2	99.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1177.6	117.8

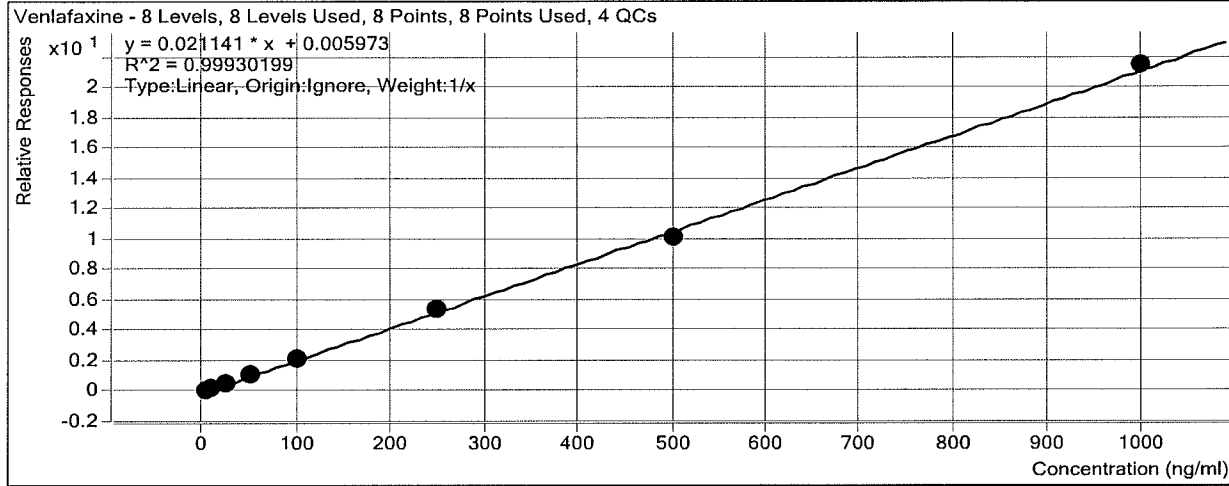
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



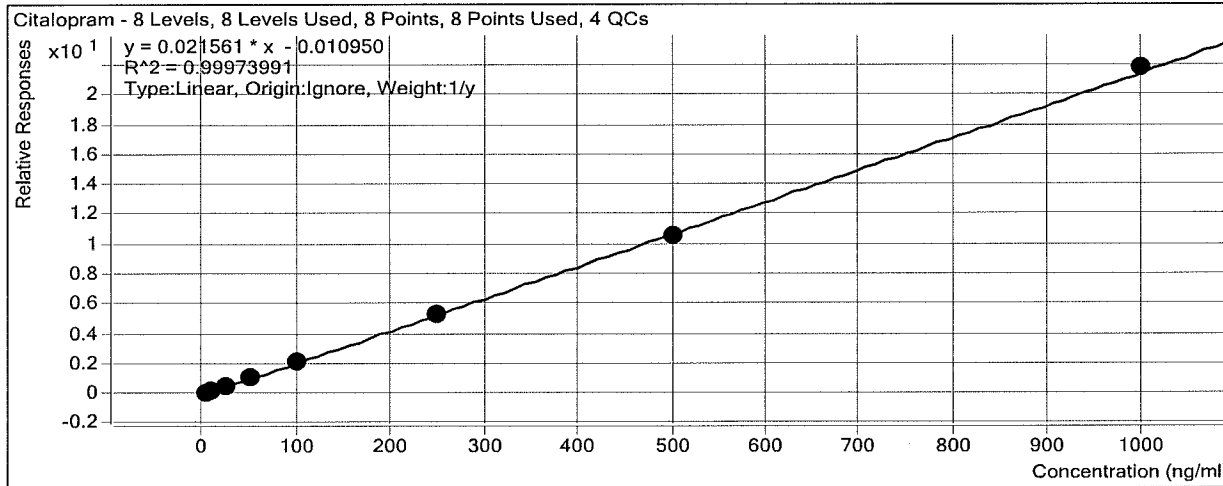
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.9	98.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a qc 100	5	<input checked="" type="checkbox"/>	100	104.3	104.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.1	102.0
a QC 250	6	<input checked="" type="checkbox"/>	250	259.4	103.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	478.8	95.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.0	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1052.9	105.3

ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.8	95.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a qc 100	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.3	97.3
a QC 250	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.5	98.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1011.1	101.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1027.4	102.7

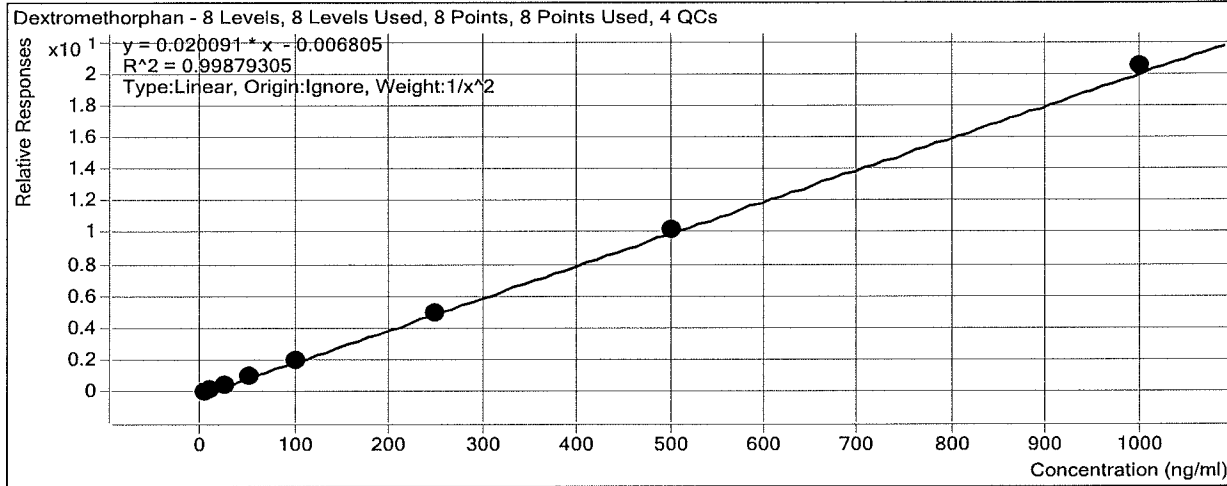
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.1	103.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.6
a QC 10	2	<input checked="" type="checkbox"/>	10	8.5	85.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a qc 100	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.0	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	263.7	105.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	509.0	101.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1019.0	101.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1133.9	113.4

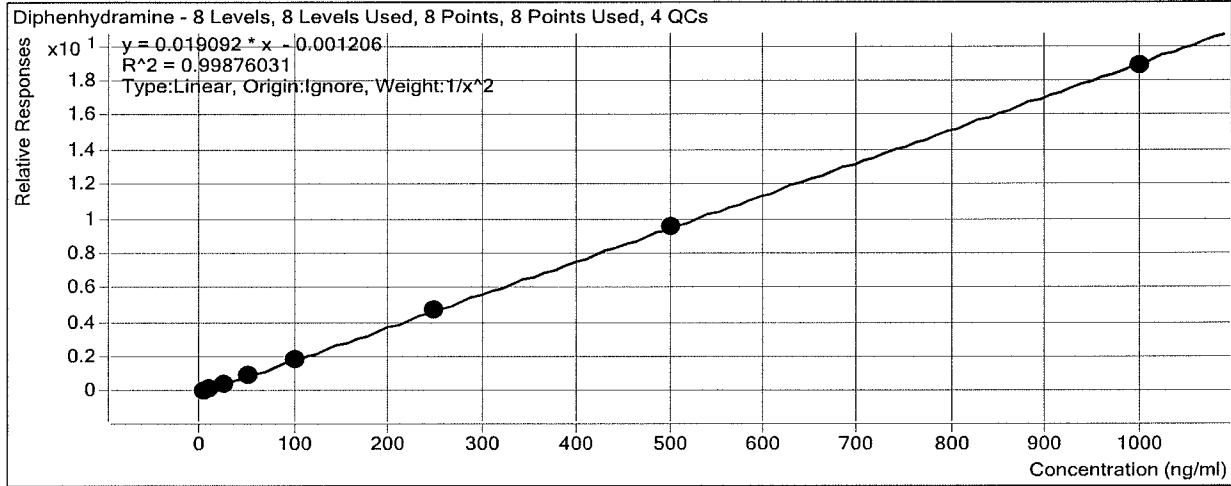
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.9	97.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	101.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a qc 100	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.5	98.2
a QC 250	6	<input checked="" type="checkbox"/>	250	232.6	93.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.7	100.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	988.7	98.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	939.0	93.9

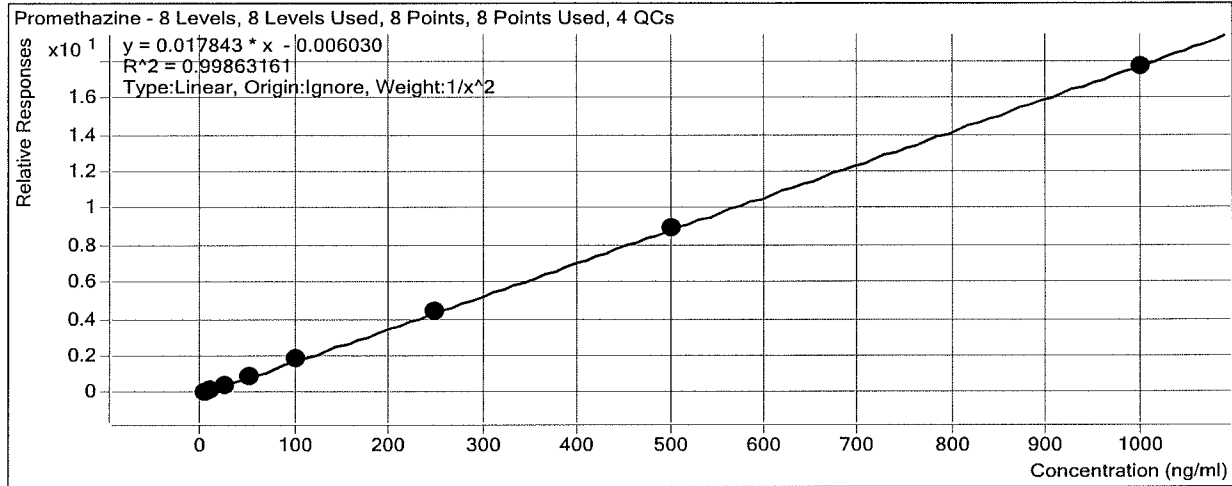
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	103.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.1	98.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a qc 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.5
a QC 250	6	<input checked="" type="checkbox"/>	250	222.7	89.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.0	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.2	99.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1025.3	102.5

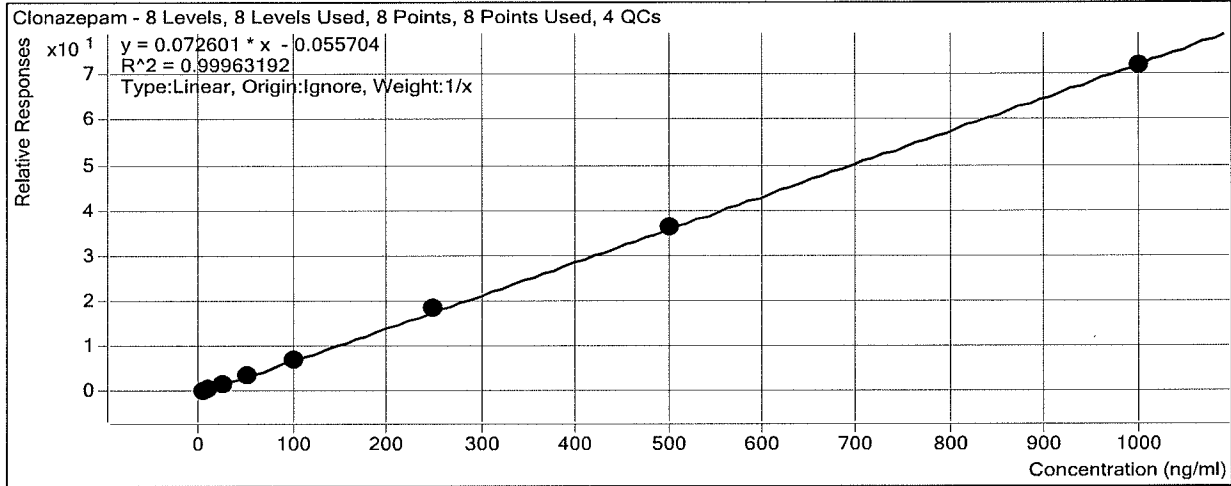
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.6	112.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	94.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a qc 100	5	<input checked="" type="checkbox"/>	100	98.7	98.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.8	102.7
a QC 250	6	<input checked="" type="checkbox"/>	250	245.5	98.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.8	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.2	99.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.8	99.7

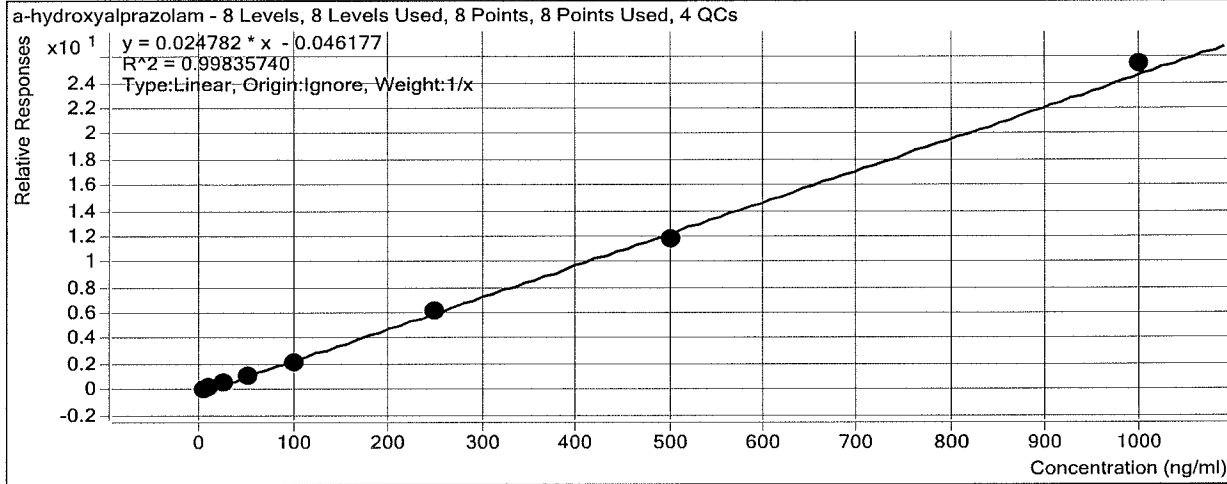
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	6.0	120.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.2	92.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.7	95.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	90.4	90.4
a qc 100	5	<input checked="" type="checkbox"/>	100	98.4	98.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.1	100.8
a QC 250	6	<input checked="" type="checkbox"/>	250	230.6	92.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	481.6	96.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1029.0	102.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	929.9	93.0

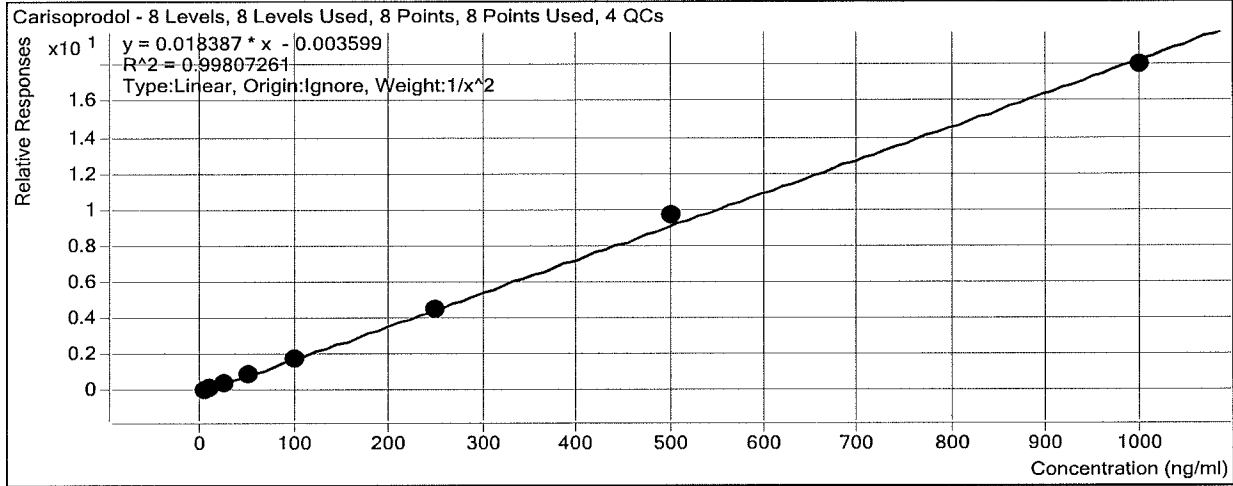
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.2	103.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a qc 100	5	<input checked="" type="checkbox"/>	100	105.4	105.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a QC 250	6	<input checked="" type="checkbox"/>	250	221.2	88.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	529.7	105.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.0	97.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	991.1	99.1

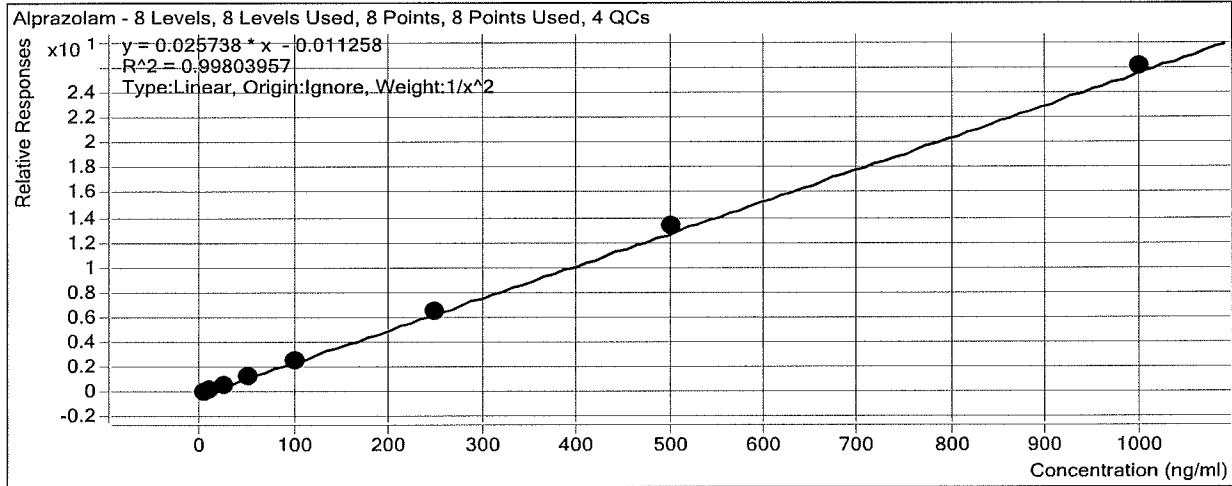
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	5.2	104.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	252.2	100.9
a QC 250	6	<input checked="" type="checkbox"/>	250	258.0	103.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.7	103.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.4	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1044.5	104.5

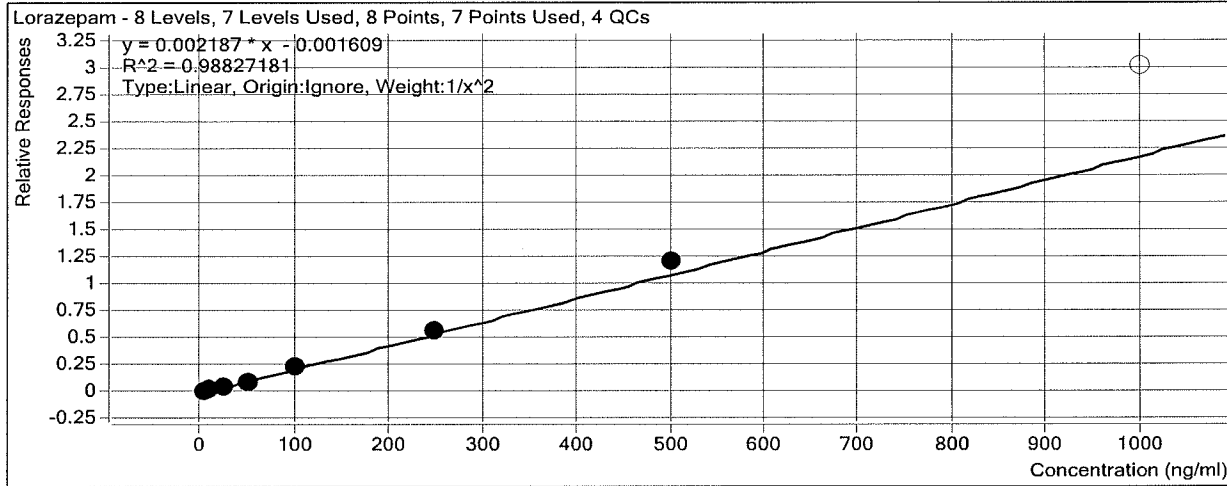
ISP Forensics Calibration Curve Report

Batch Data Path
Last Calib Update

D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
8/23/2017 1:00 PM

Analyst Name ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	4.9	97.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.0	110.4
a QC 10	2	<input type="checkbox"/>	10	8.5	84.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.6	90.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	43.1	86.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a qc 100	5	<input checked="" type="checkbox"/>	100	95.8	95.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.0	103.2
a QC 250	6	<input checked="" type="checkbox"/>	250	261.4	104.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	550.1	110.0
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1374.4	137.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1547.5	154.8

ISP FORENSICS - Cd'A Instrument # 62340

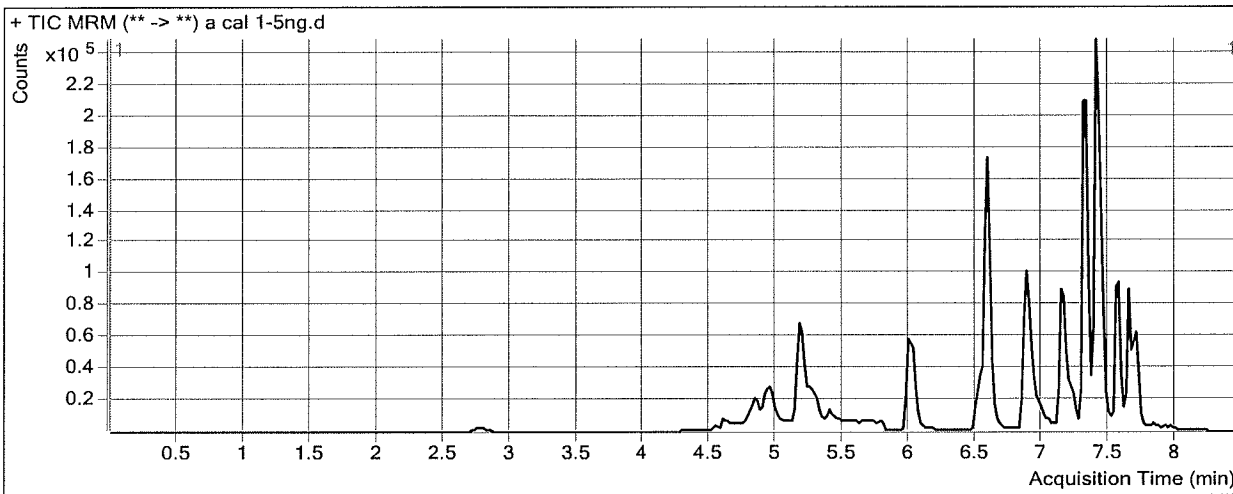
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-23 09:19 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5 ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.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	1.708	536	950	0.5641	5.6306
Hydromorphone	Hydromorphone-D6	2.789	2501	17660	0.1416	5.1476
Codeine	Codeine-D6	4.612	1466	12190	0.1203	5.1243
Oxycodone	Oxycodone-D6	4.950	6739	59143	0.1140	5.1114
Amphetamine	Amphetamine-D11	4.964	45363	68399	0.6632	4.7762
Hydrocodone	Hydrocodone-D6	5.215	4554	51478	0.0885	4.8151
Norhydrocodone	Norhydrocodone-D3	5.278	425	22613	0.0188	5.3353
Methamphetamine	Methamphetamine-D11	5.281	39872	217530	0.1833	5.0381
6-MAM	6-MAM-D6	5.408	271	17789	0.0152	0.5385
Phentermine	Phentermine-D5	6.046	7603	208571	0.0365	5.2383
Dextroprphan	Dextroprphan-D3	6.524	5314	91819	0.0579	5.1547
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	5350	45612	0.1173	5.4850
Tramadol	Tramadol-13C-D3	6.600	47019	479317	0.0981	5.0724
Doxylamine	Doxylamine-D5	6.902	35732	428347	0.0834	4.8515
Zolpidem	Zolpidem-D6	7.163	24885	297002	0.0838	4.3398
Bupropion	Bupropion-D9	7.151	506	7099	0.0712	4.8912
Meprobamate	Meprobamate-D7	7.233	2700	30919	0.0873	4.9810
Trazodone	Trazodone-D6	7.335	20722	184230	0.1125	5.0096
Venlafaxine	Venlafaxine-D6	7.305	45568	412926	0.1104	4.9373
Citalopram	Citalopram-D6	7.397	21443	232943	0.0921	4.7773
Dextromethorphan	Dextromethorphan-D3	7.408	4258	44058	0.0966	5.1486
Diphenhydramine	Diphenhydramine-D3	7.432	33527	363441	0.0923	4.8951
Promethazine	Promethazine-D3	7.546	19039	231179	0.0824	4.9535

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	1804	5124	0.3521	5.6176
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	902	8704	0.1037	6.0465
Carisoprodol	Carisoprodol-D7	7.651	12180	133518	0.0912	5.1571
Alprazolam	Alprazolam-D5	7.684	11034	89660	0.1231	5.2187
Lorazepam	Alprazolam-D5	7.681	815	89660	0.0091	4.8905



ISP FORENSICS - Cd'A Instrument # 62340

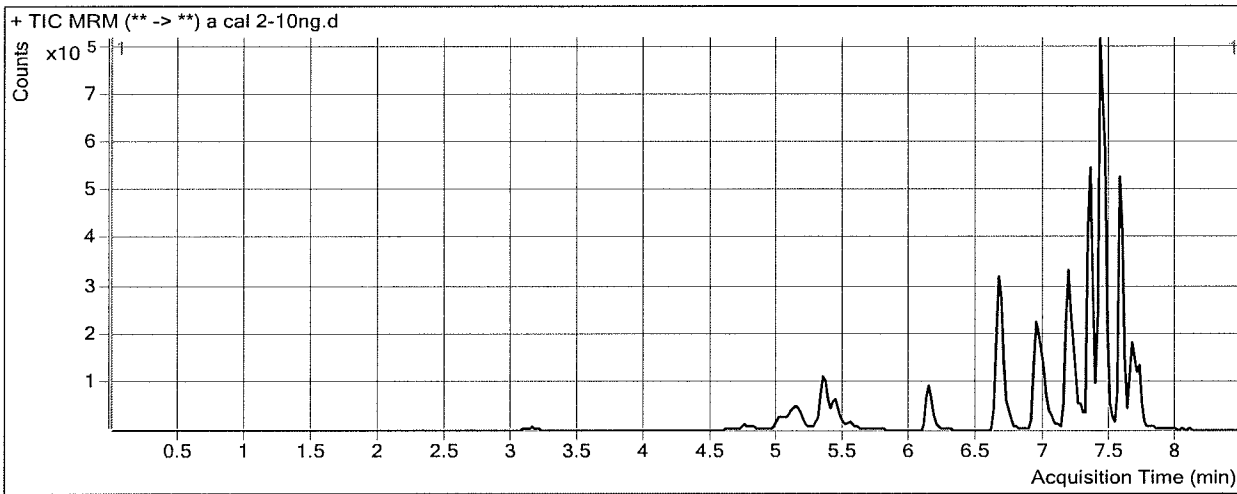
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 13:38 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	1928	2368	0.8141	8.6270
Hydromorphone	Hydromorphone-D6	3.170	9259	32553	0.2844	9.6822
Codeine	Codeine-D6	4.813	5034	21074	0.2389	9.7842
Oxycodone	Oxycodone-D6	5.130	25011	110661	0.2260	9.7657
Amphetamine	Amphetamine-D11	5.165	113850	107315	1.0609	10.3220
Hydrocodone	Hydrocodone-D6	5.355	18005	100585	0.1790	9.6909
Norhydrocodone	Norhydrocodone-D3	5.457	1589	44494	0.0357	9.7104
Methamphetamine	Methamphetamine-D11	5.441	115703	376385	0.3074	9.8270
6-MAM	6-MAM-D6	5.569	799	33718	0.0237	0.8731
Phentermine	Phentermine-D5	6.186	19743	346514	0.0570	8.8220
Dextroprphan	Dextroprphan-D3	6.646	20461	178120	0.1149	9.5816
7-aminoclonazepam	7-Aminoclonazepam-D4	6.677	23576	90929	0.2593	10.9865
Tramadol	Tramadol-13C-D3	6.684	152518	799038	0.1909	9.8854
Doxylamine	Doxylamine-D5	6.963	164522	820014	0.2006	10.4560
Zolpidem	Zolpidem-D6	7.183	118309	587923	0.2012	10.2204
Bupropion	Bupropion-D9	7.211	77740	411729	0.1888	10.4273
Meprobamate	Meprobamate-D7	7.293	12408	64573	0.1921	10.6112
Trazodone	Trazodone-D6	7.355	112258	514009	0.2184	9.8967
Venlafaxine	Venlafaxine-D6	7.346	166096	771431	0.2153	9.9019
Citalopram	Citalopram-D6	7.417	129540	614358	0.2109	10.2875
Dextromethorphan	Dextromethorphan-D3	7.428	28619	156239	0.1832	9.4560
Diphenhydramine	Diphenhydramine-D3	7.432	193896	988946	0.1961	10.3326
Promethazine	Promethazine-D3	7.566	204784	1143300	0.1791	10.3763

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

P1 acal2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	7910	13549	0.5838	8.8082
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	3204	15805	0.2027	10.0431
Carisoprodol	Carisoprodol-D7	7.671	48368	287242	0.1684	9.3539
Alprazolam	Alprazolam-D5	7.705	40296	178805	0.2254	9.1935
Lorazepam	Alprazolam-D5	7.702	4031	178805	0.0225	11.0421



ISP FORENSICS - Cd'A Instrument # 62340

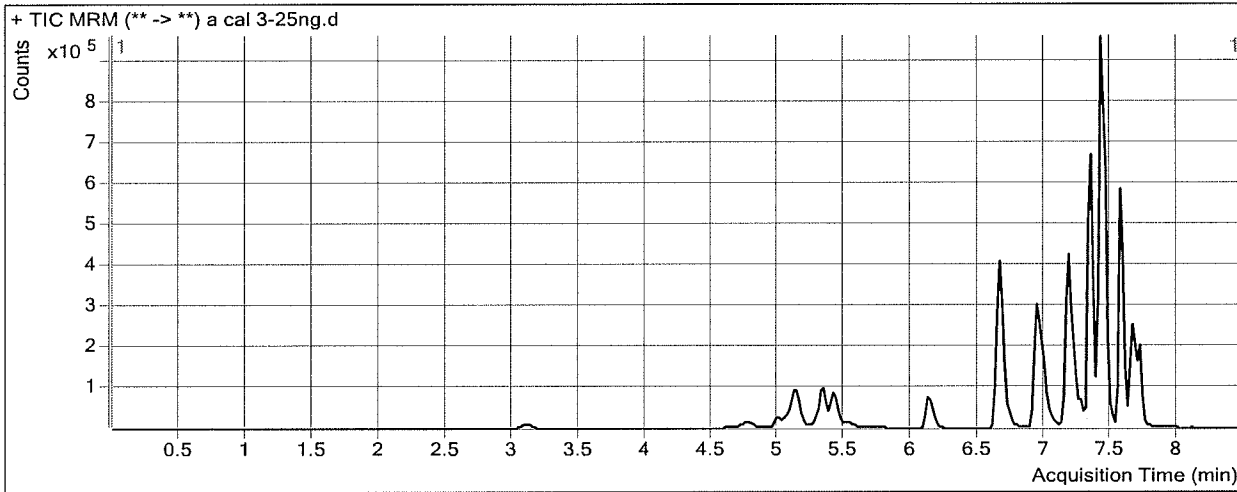
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 14:03 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



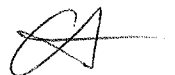
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.888	5356	2622	2.0425	23.3491
Hydromorphone	Hydromorphone-D6	3.130	25201	34473	0.7310	23.8651
Codeine	Codeine-D6	4.793	12754	21720	0.5872	23.4772
Oxycodone	Oxycodone-D6	5.110	62564	111437	0.5614	23.6959
Amphetamine	Amphetamine-D11	5.145	210685	92423	2.2796	27.3169
Hydrocodone	Hydrocodone-D6	5.335	47611	105681	0.4505	24.3129
Norhydrocodone	Norhydrocodone-D3	5.437	3414	44935	0.0760	20.1347
Methamphetamine	Methamphetamine-D11	5.421	172514	246923	0.6987	24.9231
6-MAM	6-MAM-D6	5.549	2029	34168	0.0594	2.2828
Phentermine	Phentermine-D5	6.166	43220	294216	0.1469	24.5259
Dextroprphan	Dextroprphan-D3	6.646	50944	170522	0.2988	23.8647
7-aminoclonazepam	7-Aminoclonazepam-D4	6.677	53389	92304	0.5784	23.3509
Tramadol	Tramadol-13C-D3	6.684	387216	809817	0.4782	24.7878
Doxylamine	Doxylamine-D5	6.963	403875	778685	0.5187	25.6622
Zolpidem	Zolpidem-D6	7.183	304263	588336	0.5172	26.0392
Bupropion	Bupropion-D9	7.211	172845	348146	0.4965	24.9113
Meprobamate	Meprobamate-D7	7.273	29051	64948	0.4473	24.3163
Trazodone	Trazodone-D6	7.355	254212	458234	0.5548	25.4171
Venlafaxine	Venlafaxine-D6	7.346	388162	725837	0.5348	25.0134
Citalopram	Citalopram-D6	7.417	293902	536578	0.5477	25.9123
Dextromethorphan	Dextromethorphan-D3	7.428	61855	125236	0.4939	24.9227
Diphenhydramine	Diphenhydramine-D3	7.432	423891	881679	0.4808	25.2455
Promethazine	Promethazine-D3	7.566	420387	1007054	0.4174	23.7330

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

P1 a cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	20657	11621	1.7775	25.2510
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	8677	16421	0.5284	23.1859
Carisoprodol	Carisoprodol-D7	7.671	133209	293692	0.4536	24.8642
Alprazolam	Alprazolam-D5	7.705	109303	176438	0.6195	24.5070
Lorazepam	Alprazolam-D5	7.702	8450	176438	0.0479	22.6324



ISP FORENSICS - Cd'A Instrument # 62340

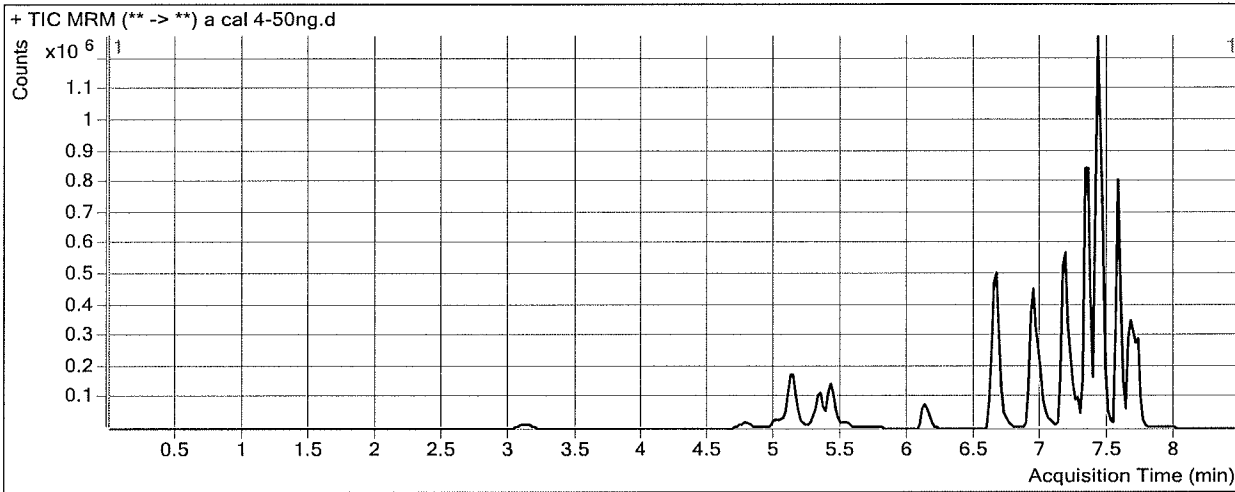
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 14:28 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.888	10883	2735	3.9792	46.5609
Hydromorphone	Hydromorphone-D6	3.130	50245	33863	1.4838	47.7695
Codeine	Codeine-D6	4.793	26983	21752	1.2405	49.1566
Oxycodone	Oxycodone-D6	5.110	135723	113047	1.2006	50.2416
Amphetamine	Amphetamine-D11	5.145	386155	91630	4.2143	54.2973
Hydrocodone	Hydrocodone-D6	5.335	101180	107396	0.9421	50.7880
Norhydrocodone	Norhydrocodone-D3	5.417	6923	42596	0.1625	42.5386
Methamphetamine	Methamphetamine-D11	5.421	325822	245581	1.3267	49.1575
6-MAM	6-MAM-D6	5.529	4575	35191	0.1300	5.0722
Phentermine	Phentermine-D5	6.166	83519	280135	0.2981	50.9383
Dextroprphan	Dextroprphan-D3	6.626	104160	165850	0.6280	49.4413
7-aminoclonazepam	7-Aminoclonazepam-D4	6.655	110054	93121	1.1818	46.7305
Tramadol	Tramadol-13C-D3	6.663	773786	797532	0.9702	50.3141
Doxylamine	Doxylamine-D5	6.943	783733	757294	1.0349	50.3461
Zolpidem	Zolpidem-D6	7.183	611692	593525	1.0306	51.7481
Bupropion	Bupropion-D9	7.191	326596	305330	1.0696	51.8954
Meprobamate	Meprobamate-D7	7.273	62270	65219	0.9548	51.5762
Trazodone	Trazodone-D6	7.335	480711	441747	1.0882	50.0305
Venlafaxine	Venlafaxine-D6	7.326	789263	732683	1.0772	50.6720
Citalopram	Citalopram-D6	7.397	549339	513073	1.0707	50.1673
Dextromethorphan	Dextromethorphan-D3	7.428	126029	130864	0.9631	48.2741
Diphenhydramine	Diphenhydramine-D3	7.432	789739	788846	1.0011	52.5008
Promethazine	Promethazine-D3	7.566	869831	1000378	0.8695	49.0681

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

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Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	45564	13440	3.3902	47.4644
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	17987	15822	1.1368	47.7368
Carisoprodol	Carisoprodol-D7	7.671	277672	295714	0.9390	51.2652
Alprazolam	Alprazolam-D5	7.705	226250	177269	1.2763	50.0266
Lorazepam	Alprazolam-D5	7.681	16416	177269	0.0926	43.0769



ISP FORENSICS - Cd'A Instrument # 62340

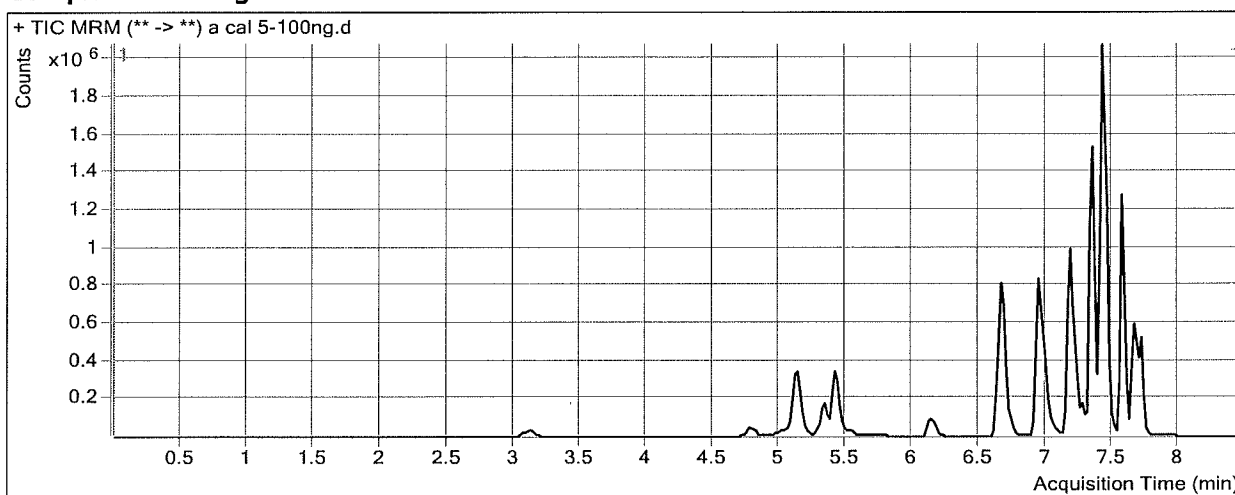
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin
Analysis Time 8/23/2017 1:00 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 1:05 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 1:00 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 14:54 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



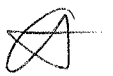
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.868	22835	2748	8.3108	98.4760
Hydromorphone	Hydromorphone-D6	3.130	111063	36246	3.0642	97.9567
Codeine	Codeine-D6	4.793	56089	22297	2.5155	99.2729
Oxycodone	Oxycodone-D6	5.110	283805	119404	2.3768	99.0939
Amphetamine	Amphetamine-D11	5.145	763352	96863	7.8807	105.4265
Hydrocodone	Hydrocodone-D6	5.335	208242	105366	1.9764	106.4861
Norhydrocodone	Norhydrocodone-D3	5.437	15848	42634	0.3717	96.6944
Methamphetamine	Methamphetamine-D11	5.421	836908	293169	2.8547	108.1130
6-MAM	6-MAM-D6	5.549	9265	35081	0.2641	10.3679
Phentermine	Phentermine-D5	6.166	184259	304980	0.6042	104.3828
Dextropropofol	Dextropropofol-D3	6.626	214774	169156	1.2697	99.2801
7-aminoclonazepam	7-Aminoclonazepam-D4	6.677	221498	88107	2.5140	98.3433
Tramadol	Tramadol-13C-D3	6.684	1567043	808223	1.9389	100.5628
Doxylamine	Doxylamine-D5	6.943	1608175	810322	1.9846	95.7549
Zolpidem	Zolpidem-D6	7.183	1251055	627950	1.9923	99.9002
Bupropion	Bupropion-D9	7.211	634842	315617	2.0114	96.2325
Meprobamate	Meprobamate-D7	7.273	123476	70799	1.7440	93.9701
Trazodone	Trazodone-D6	7.335	1012355	466115	2.1719	100.0336
Venlafaxine	Venlafaxine-D6	7.326	1591938	738681	2.1551	101.6578
Citalopram	Citalopram-D6	7.417	1134233	521802	2.1737	101.3257
Dextromethorphan	Dextromethorphan-D3	7.428	269231	131125	2.0532	102.5374
Diphenhydramine	Diphenhydramine-D3	7.432	1637761	897960	1.8239	95.5944
Promethazine	Promethazine-D3	7.566	1787280	955136	1.8712	105.2087

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

pl a cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	91337	12549	7.2786	101.0230
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	35851	16343	2.1937	90.3839
Carisoprodol	Carisoprodol-D7	7.671	525118	291470	1.8016	98.1815
Alprazolam	Alprazolam-D5	7.705	434218	169892	2.5558	99.7406
Lorazepam	Alprazolam-D5	7.702	37581	169892	0.2212	101.8716



ISP FORENSICS - Cd'A Instrument # 62340

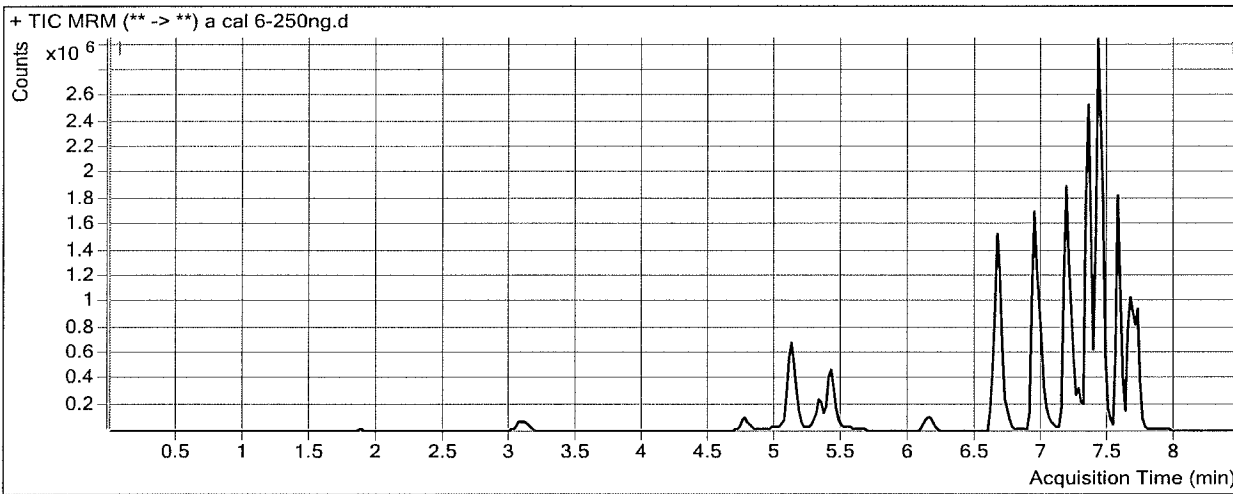
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin		
Analysis Time	8/23/2017 1:00 PM	Analyst Name	ISP Tox
Report Time	8/23/2017 1:05 PM	Reporter Name	ISP Tox
Last Calib Update	8/23/2017 1:00 PM	Batch State	Processed

Analysis Info

Acq Time	2017-08-22 15:19	Data File	a cal 6-250ng.d
Sample Type	Calibration	Sample Name	a cal 6-250ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



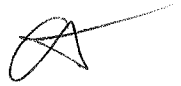
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.868	52684	2456	21.4525	255.9834
Hydromorphone	Hydromorphone-D6	3.090	257205	32410	7.9360	252.6690
Codeine	Codeine-D6	4.773	132836	21519	6.1729	243.0344
Oxycodone	Oxycodone-D6	5.090	653555	109528	5.9670	248.2021
Amphetamine	Amphetamine-D11	5.125	1388723	75753	18.3324	251.1778
Hydrocodone	Hydrocodone-D6	5.315	472267	102126	4.6243	249.0892
Norhydrocodone	Norhydrocodone-D3	5.417	37205	36596	1.0166	263.6411
Methamphetamine	Methamphetamine-D11	5.421	1132741	180404	6.2789	240.2348
6-MAM	6-MAM-D6	5.529	20794	33202	0.6263	24.6725
Phentermine	Phentermine-D5	6.166	346024	234867	1.4733	256.1616
Dextrophan	Dextrophan-D3	6.626	449217	139644	3.2169	250.5258
7-aminoclonazepam	7-Aminoclonazepam-D4	6.677	498566	82238	6.0625	235.8293
Tramadol	Tramadol-13C-D3	6.663	3564075	749595	4.7547	246.6321
Doxylamine	Doxylamine-D5	6.943	3632262	711464	5.1053	244.9684
Zolpidem	Zolpidem-D6	7.183	2919552	569220	5.1290	256.9608
Bupropion	Bupropion-D9	7.211	1188940	239764	4.9588	234.9883
Meprobamate	Meprobamate-D7	7.273	290400	63193	4.5954	247.1334
Trazodone	Trazodone-D6	7.355	1838756	343465	5.3535	246.8381
Venlafaxine	Venlafaxine-D6	7.326	3348538	620302	5.3982	255.0636
Citalopram	Citalopram-D6	7.417	1977682	377807	5.2346	243.2955
Dextromethorphan	Dextromethorphan-D3	7.428	465092	92732	5.0155	249.9792
Diphenhydramine	Diphenhydramine-D3	7.432	2887781	616387	4.6850	245.4564
Promethazine	Promethazine-D3	7.566	3157408	712656	4.4305	248.6388

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

Pl a cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	216829	11663	18.5906	256.8345
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	89764	14477	6.2005	252.0670
Carisoprodol	Carisoprodol-D7	7.671	1112905	243985	4.5614	248.2774
Alprazolam	Alprazolam-D5	7.705	949601	146548	6.4798	252.2000
Lorazepam	Alprazolam-D5	7.681	82460	146548	0.5627	257.9992



ISP FORENSICS - Cd'A Instrument # 62340

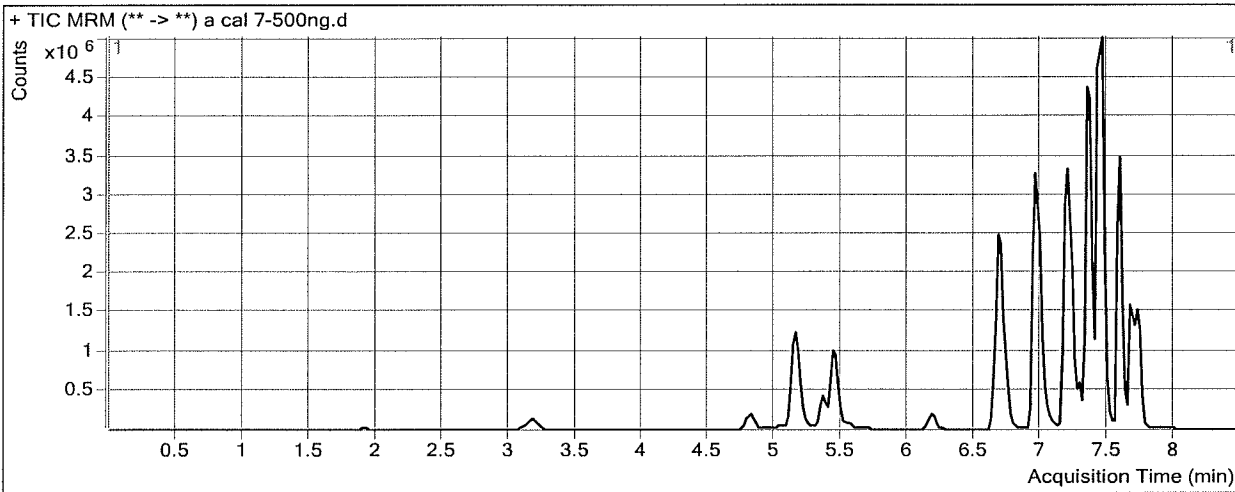
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2017 Data\82217mdq p1\QuantResults\82217 mdq p1a.batch.bin		
Analysis Time	8/23/2017 1:00 PM	Analyst Name	ISP Tox
Report Time	8/23/2017 1:05 PM	Reporter Name	ISP Tox
Last Calib Update	8/23/2017 1:00 PM	Batch State	Processed

Analysis Info

Acq Time	2017-08-22 12:47	Data File	a cal 7-500ng.d
Sample Type	Calibration	Sample Name	a cal 7-500ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	102666	2416	42.4898	508.1210
Hydromorphone	Hydromorphone-D6	3.170	514350	31432	16.3640	520.3089
Codeine	Codeine-D6	4.813	253823	19313	13.1427	516.9975
Oxycodone	Oxycodone-D6	5.130	1347361	107946	12.4818	518.7724
Amphetamine	Amphetamine-D11	5.165	2551898	72649	35.1262	485.3734
Hydrocodone	Hydrocodone-D6	5.355	937485	96437	9.7212	523.5754
Norhydrocodone	Norhydrocodone-D3	5.457	67996	32613	2.0849	540.1913
Methamphetamine	Methamphetamine-D11	5.441	2567274	192743	13.3197	511.9011
6-MAM	6-MAM-D6	5.569	40748	30947	1.3167	51.9397
Phentermine	Phentermine-D5	6.186	689906	234828	2.9379	511.9451
Dextroprphan	Dextroprphan-D3	6.646	851512	128749	6.6137	514.3728
7-aminoclonazepam	7-Aminoclonazepam-D4	6.697	902322	71532	12.6143	489.6750
Tramadol	Tramadol-13C-D3	6.684	6765045	695883	9.7215	504.2884
Doxylamine	Doxylamine-D5	6.963	7470645	708100	10.5503	505.3114
Zolpidem	Zolpidem-D6	7.183	5623938	546053	10.2992	515.8382
Bupropion	Bupropion-D9	7.211	3027458	275378	10.9938	519.1075
Meprobamate	Meprobamate-D7	7.293	567927	60699	9.3564	502.8684
Trazodone	Trazodone-D6	7.355	3848281	350356	10.9839	506.6294
Venlafaxine	Venlafaxine-D6	7.346	5904643	583012	10.1278	478.7815
Citalopram	Citalopram-D6	7.417	3637440	342178	10.6302	493.5497
Dextromethorphan	Dextromethorphan-D3	7.428	964809	94412	10.2192	508.9901
Diphenhydramine	Diphenhydramine-D3	7.452	6254222	654338	9.5581	500.7001
Promethazine	Promethazine-D3	7.587	7150075	800303	8.9342	501.0448

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

Placal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	371364	10169	36.5178	503.7631
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	155734	13100	11.8881	481.5769
Carisoprodol	Carisoprodol-D7	7.671	1780765	182906	9.7360	529.7108
Alprazolam	Alprazolam-D5	7.725	1633893	122719	13.3142	517.7379
Lorazepam	Alprazolam-D5	7.702	147445	122719	1.2015	550.0678



ISP FORENSICS - Cd'A Instrument # 62340

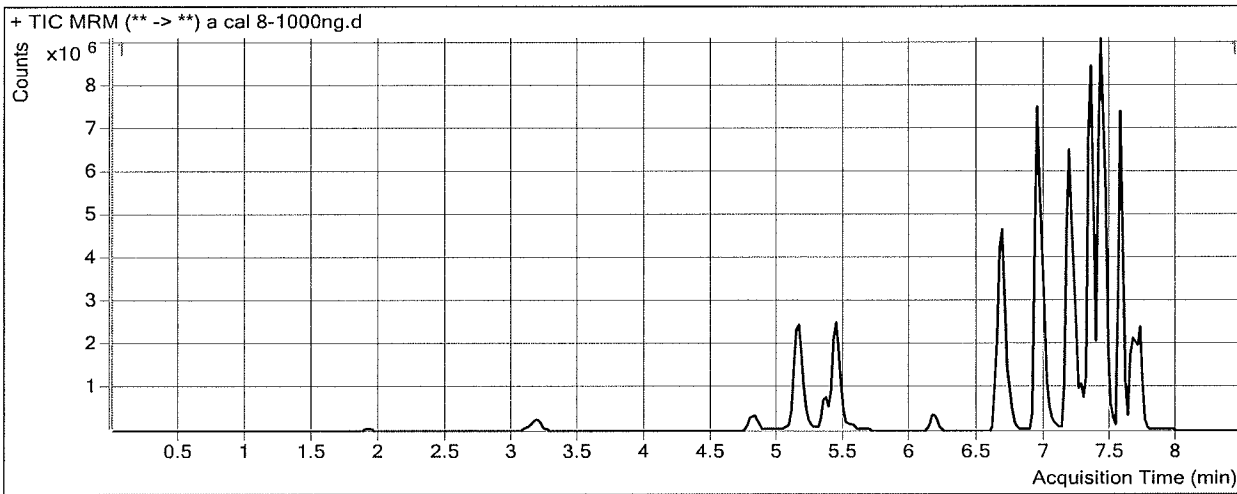
Multi-Drug Confirmatory Analysis Report

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Analysis Time	8/23/2017 1:00 PM	Reporter Name	ISP Tox
Report Time	8/23/2017 1:05 PM	Batch State	Processed
Last Calib Update	8/23/2017 1:00 PM		

Analysis Info

Acq Time	2017-08-22 12:09	Data File	a cal 8-1000ng.d
Sample Type	Calibration	Sample Name	a cal 8-1000ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	209236	2613	80.0606	958.4172
Hydromorphone	Hydromorphone-D6	3.170	1054908	31581	33.4029	1061.4004
Codeine	Codeine-D6	4.813	504095	18428	27.3548	1075.6357
Oxycodone	Oxycodone-D6	5.130	2784498	111049	25.0744	1041.7712
Amphetamine	Amphetamine-D11	5.165	5181724	89355	57.9904	804.2209
Hydrocodone	Hydrocodone-D6	5.355	1841910	102136	18.0339	971.2424
Norhydrocodone	Norhydrocodone-D3	5.457	131683	28328	4.6486	1203.8425
Methamphetamine	Methamphetamine-D11	5.441	6416710	256361	25.0300	963.7377
6-MAM	6-MAM-D6	5.549	84730	31560	2.6848	105.9712
Phentermine	Phentermine-D5	6.186	1448699	258395	5.6065	977.9862
Dextroprphan	Dextroprphan-D3	6.646	1653403	123109	13.4304	1043.8460
7-aminoclonazepam	7-Aminoclonazepam-D4	6.697	1522926	57361	26.5498	1029.5993
Tramadol	Tramadol-13C-D3	6.684	13769674	715394	19.2477	998.4570
Doxylamine	Doxylamine-D5	6.943	16211344	773744	20.9518	1002.6496
Zolpidem	Zolpidem-D6	7.163	10617452	545365	19.4685	974.9532
Bupropion	Bupropion-D9	7.211	6319657	296732	21.2975	1004.1840
Meprobamate	Meprobamate-D7	7.273	1038426	55543	18.6960	1004.5433
Trazodone	Trazodone-D6	7.335	7322635	341166	21.4636	990.1727
Venlafaxine	Venlafaxine-D6	7.326	12113331	564928	21.4422	1013.9726
Citalopram	Citalopram-D6	7.397	6449633	295991	21.7899	1011.1480
Dextromethorphan	Dextromethorphan-D3	7.428	1940575	94820	20.4658	1019.0085
Diphenhydramine	Diphenhydramine-D3	7.432	12170754	644797	18.8753	988.7220
Promethazine	Promethazine-D3	7.566	14832059	838023	17.6989	992.2488

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

Placal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	574783	7993	71.9087	991.2382
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	274225	10774	25.4532	1028.9599
Carisoprodol	Carisoprodol-D7	7.671	2585375	143661	17.9964	978.9744
Alprazolam	Alprazolam-D5	7.705	2624608	100569	26.0975	1014.4137
Lorazepam	Alprazolam-D5	7.702	302161	100569	3.0045	1374.4236

A

ISP FORENSICS - Cd'A Instrument # 62340

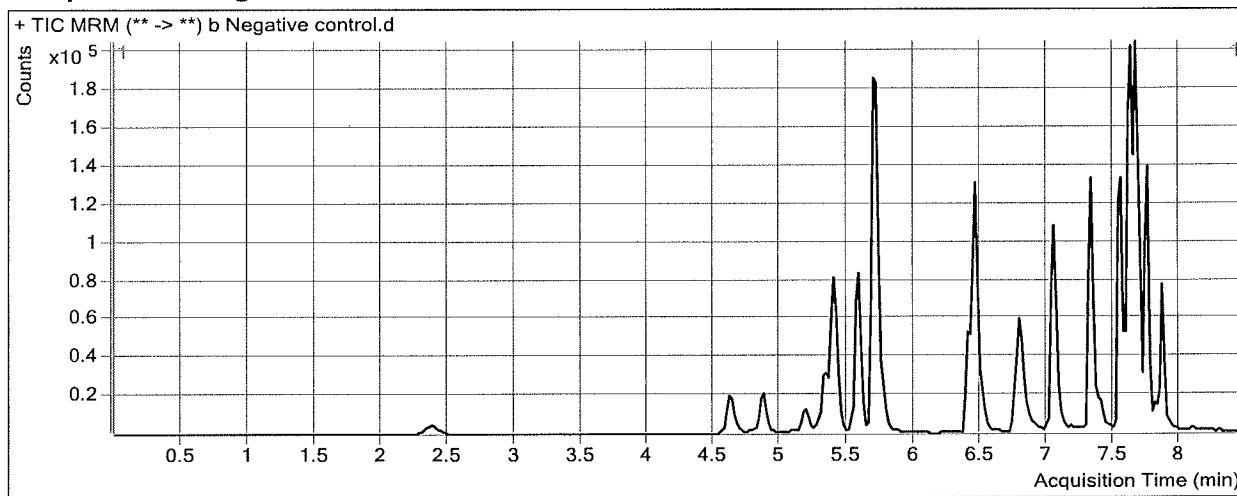
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 15:58 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

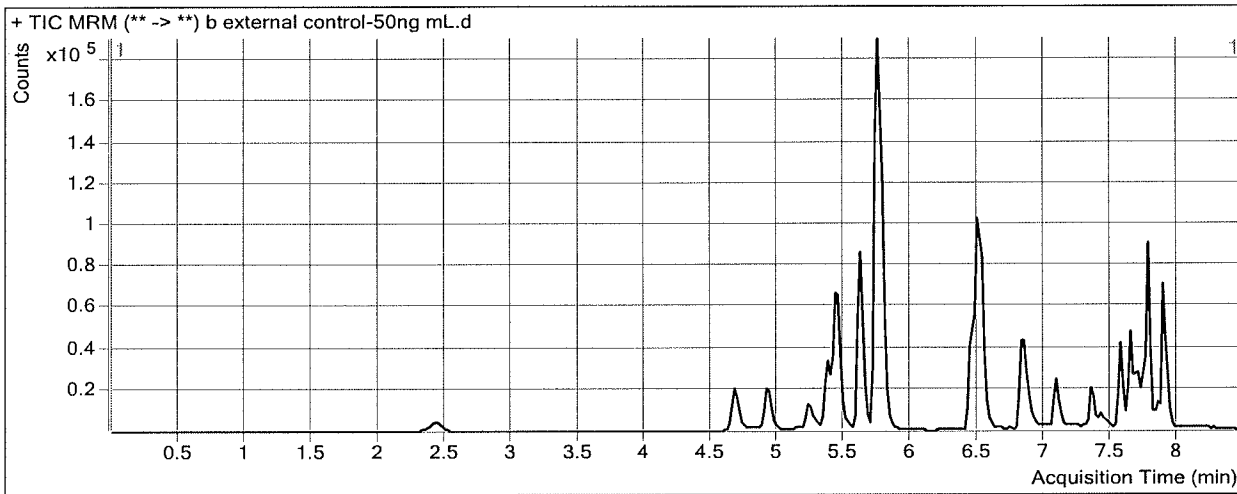
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin
Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 16:23 **Data File** b external control-50ng mL.d
Sample Type Sample **Sample Name** b external control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28: lot 21717

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.729	17633	21909	0.8049	36.7396

ISP FORENSICS - Cd'A Instrument # 62340

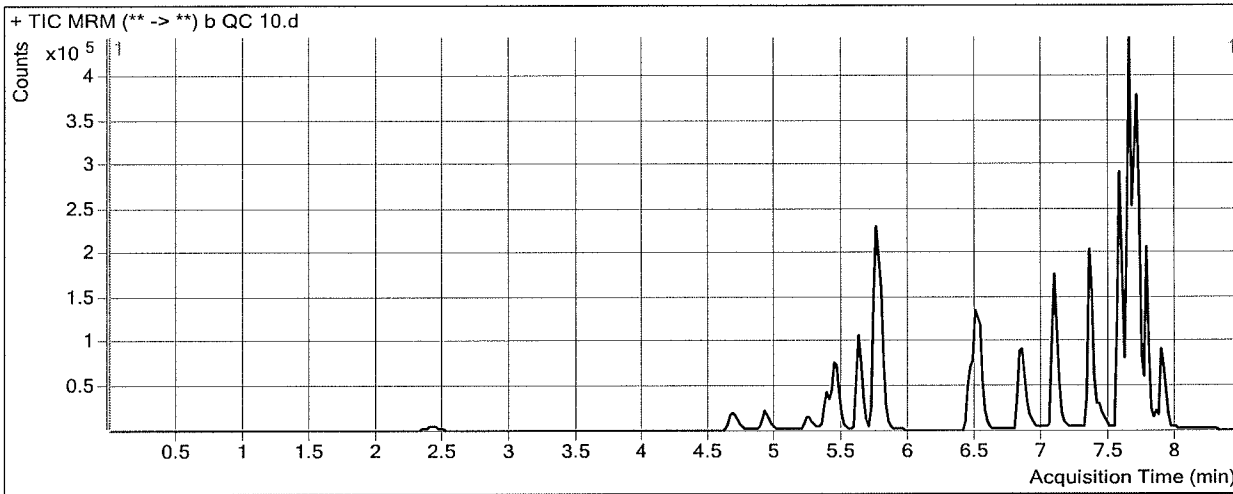
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin
Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 16:48 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.429	7073	30845	0.2293	10.3516 not evaluated
Dihydrocodeine	Dihydrocodeine-D6	4.713	15565	82905	0.1877	9.8602
Naloxone	Naloxone-D5	4.952	10483	79696	0.1315	10.1069
Noroxycodone	Noroxycodone-D3	5.278	10220	49261	0.2075	9.4008
Naltrexone	Naltrexone-D3	5.371	22253	112347	0.1981	10.3269
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.504	5708	296534	0.0192	0.8920
Naltrexol	Naltrexol-D3	5.611	62711	266705	0.2351	9.3393
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.757	133760	668897	0.2000	9.9512
Ketamine	Ketamine-D4	6.459	48506	208759	0.2324	9.5314
Norfentanyl	Norfentanyl-D5	6.543	7110	396487	0.0179	1.0178
alpha-PVP	alpha-PVP-d8	6.848	77438	332156	0.2331	9.6907
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.084	10488	566416	0.0185	0.9796
Norbuprenorphine	Norbuprenorphine-D3	7.334	289	12513	0.0231	1.5113 outside curve range
Fentanyl	Fentanyl-D5	7.358	10663	529554	0.0201	1.0333
EDDP	EDDP-D3	7.430	10914	55842	0.1954	9.8793
Sufentanil	Sufentanil-D5	7.558	8395	365735	0.0230	0.9840
Quetiapine	Quetiapine-D8	7.579	148155	205025	0.7226	9.3508
Buprenorphine	Buprenorphine-D4	7.655	2505	110350	0.0227	0.9084
Cyclobenzaprine	Cyclobenzaprine-D3	7.632	51292	229363	0.2236	9.7059
Methadone	Methadone-D9	7.643	92442	566189	0.1633	9.3284
Fluoxetine	Fluoxetine-D6	7.684	135023	643345	0.2099	9.7022
Oxazepam	Oxazepam-D5	7.729	4857	20315	0.2391	10.4544
Temazepam	Temazepam-D5	7.767	27470	148649	0.1848	10.2302

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

PI b QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.766	29835	171649	0.1738	9.3655
Nordiazepam	Nordiazepam-D5	7.855	8199	26507	0.3093	10.0472
Diazepam	Diazepam-D5	7.910	37354	152252	0.2453	9.8477

ISP FORENSICS - Cd'A Instrument # 62340

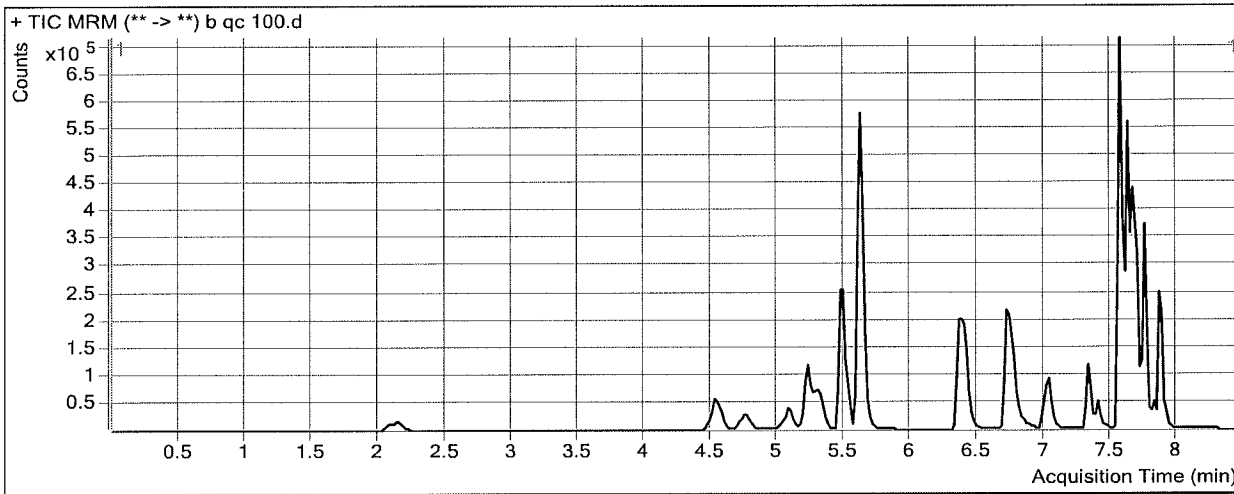
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin
Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 20:24 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.129	61654	27578	2.2357	92.8197 not evaluated
Dihydrocodeine	Dihydrocodeine-D6	4.535	132355	69950	1.8921	99.4309
Naloxone	Naloxone-D5	4.768	80392	66132	1.2156	81.9148
Noroxycodone	Noroxycodone-D3	5.098	87807	40192	2.1847	95.9278
Naltrexone	Naltrexone-D3	5.231	184843	96566	1.9142	87.5510
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	52379	240134	0.2181	9.5322
Naltrexol	Naltrexol-D3	5.490	530671	210841	2.5169	101.2910
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.619	1302669	617062	2.1111	102.3774
Ketamine	Ketamine-D4	6.359	432073	174828	2.4714	100.6246
Norfentanyl	Norfentanyl-D5	6.423	64267	330248	0.1946	9.5631
alpha-PVP	alpha-PVP-d8	6.728	540524	238307	2.2682	90.8571
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.022	47678	252849	0.1886	9.2226
Norbuprenorphine	Norbuprenorphine-D3	7.294	1091	5207	0.2096	9.8637
Fentanyl	Fentanyl-D5	7.318	45679	240182	0.1902	9.0357
EDDP	EDDP-D3	7.408	70671	30620	2.3080	103.2359
Sufentanil	Sufentanil-D5	7.558	31947	140804	0.2269	10.0907
Quetiapine	Quetiapine-D8	7.559	969800	119774	8.0969	103.7426
Buprenorphine	Buprenorphine-D4	7.695	8357	42146	0.1983	8.5107
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	198272	84677	2.3415	100.3139
Methadone	Methadone-D9	7.622	453974	249660	1.8184	103.8641
Fluoxetine	Fluoxetine-D6	7.664	548382	272656	2.0113	95.9623
Oxazepam	Oxazepam-D5	7.709	38909	17269	2.2532	104.0253
Temazepam	Temazepam-D5	7.747	264229	126368	2.0909	101.5265

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

pl b qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	130399	65113	2.0026	100.8815
Nordiazepam	Nordiazepam-D5	7.835	66868	20563	3.2518	100.2833
Diazepam	Diazepam-D5	7.870	303042	112060	2.7043	103.5918



ISP FORENSICS - Cd'A Instrument # 62340

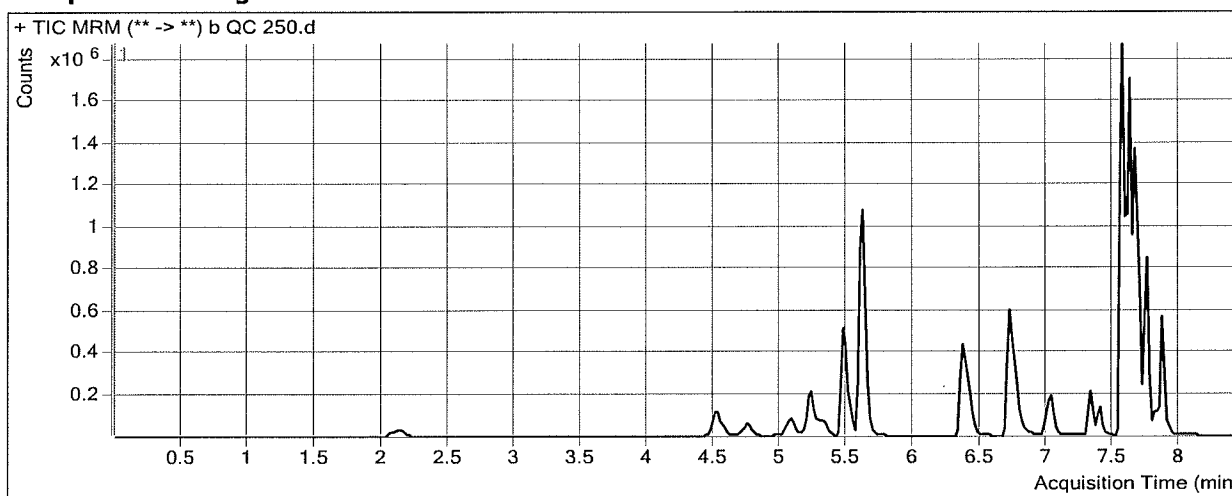
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 22:43 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.129	150270	26630	5.6428	232.8671 <i>not evaluated</i>
Dihydrocodeine	Dihydrocodeine-D6	4.535	319977	67378	4.7490	249.5670 <i>A</i>
Naloxone	Naloxone-D5	4.746	194738	61714	3.1555	210.4060
Noroxycodone	Noroxycodone-D3	5.078	216870	39403	5.5039	241.1874
Naltrexone	Naltrexone-D3	5.231	374711	69607	5.3832	243.6577
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	132373	223857	0.5913	25.7459
Naltrexol	Naltrexol-D3	5.470	1183403	188243	6.2866	253.2013
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.619	3100562	590319	5.2524	254.2969
Ketamine	Ketamine-D4	6.359	1051080	176786	5.9455	241.9629
Norfentanyl	Norfentanyl-D5	6.423	176976	349959	0.5057	24.6108
alpha-PVP	alpha-PVP-d8	6.728	1591528	274608	5.7956	231.5478
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.022	182162	377750	0.4822	23.4582
Norbuprenorphine	Norbuprenorphine-D3	7.294	3586	8824	0.4064	18.6793
Fentanyl	Fentanyl-D5	7.318	162048	335532	0.4830	22.8135
EDDP	EDDP-D3	7.408	246810	44315	5.5694	247.3624
Sufentanil	Sufentanil-D5	7.538	118734	196843	0.6032	26.8941
Quetiapine	Quetiapine-D8	7.559	2959029	143473	20.6243	264.0954
Buprenorphine	Buprenorphine-D4	7.695	30406	56310	0.5400	23.3049
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	766672	128324	5.9745	255.7419
Methadone	Methadone-D9	7.622	1468117	344385	4.2630	243.4970
Fluoxetine	Fluoxetine-D6	7.664	1991342	417910	4.7650	227.8265
Oxazepam	Oxazepam-D5	7.709	96488	17310	5.5740	258.3029
Temazepam	Temazepam-D5	7.747	585901	118163	4.9584	238.8657 <i>A</i>

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

P16 QC 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.725	523277	104925	4.9872	250.2299
Nordiazepam	Nordiazepam-D5	7.835	157881	19112	8.2608	253.8900
Diazepam	Diazepam-D5	7.870	688594	104227	6.6067	252.3665

ISP FORENSICS - Cd'A Instrument # 62340

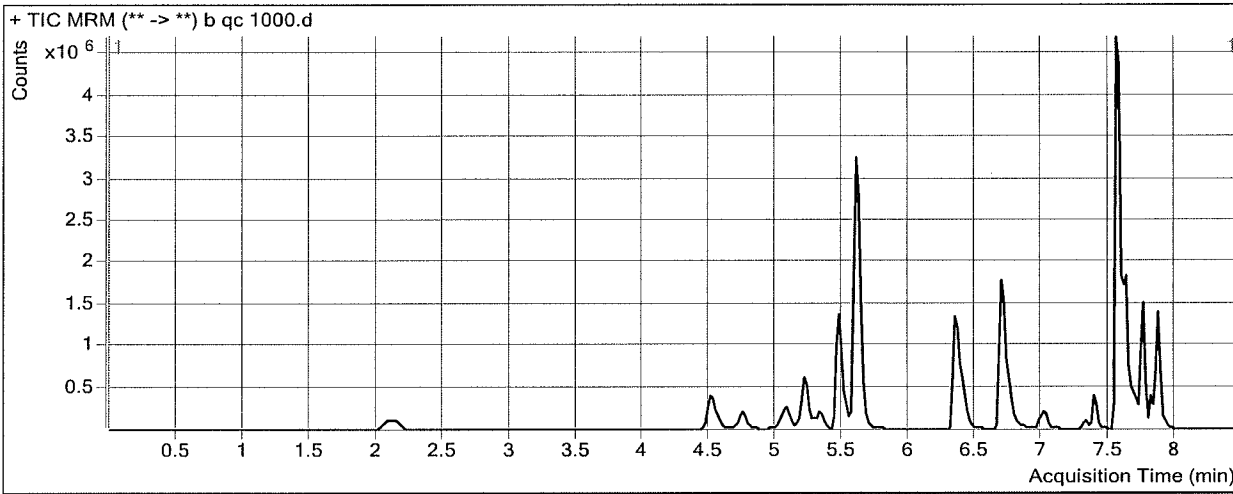
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 23:08 **Data File** b qc 1000.d
Sample Type QC **Sample Name** b qc 1000
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.129	561572	24816	22.6298	931.0979 <i>not evaluated</i>
Dihydrocodeine	Dihydrocodeine-D6	4.515	1111867	62618	17.7562	933.1411
Naloxone	Naloxone-D5	4.746	651119	53276	12.2215	810.9210
Noroxycodone	Noroxycodone-D3	5.078	734250	31852	23.0521	1009.1399
Naltrexone	Naltrexone-D3	5.211	1158865	54411	21.2982	959.8296
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	522686	207191	2.5227	109.6554
Naltrexol	Naltrexol-D3	5.470	3572827	148703	24.0266	968.0927
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.601	10871816	513572	21.1690	1024.0669
Ketamine	Ketamine-D4	6.339	3684736	154747	23.8114	968.8126
Norfentanyl	Norfentanyl-D5	6.423	702901	316567	2.2204	107.5479
alpha-PVP	alpha-PVP-d8	6.708	5043297	215644	23.3871	933.1741
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.002	325110	162577	1.9997	97.0197
Norbuprenorphine	Norbuprenorphine-D3	7.294	4765	2925	1.6291	73.4448
Fentanyl	Fentanyl-D5	7.318	136397	69113	1.9735	92.9591
EDDP	EDDP-D3	7.388	763845	30896	24.7234	1093.8015
Sufentanil	Sufentanil-D5	7.538	88597	36302	2.4405	108.9385
Quetiapine	Quetiapine-D8	7.539	8867084	111387	79.6061	1019.0709
Buprenorphine	Buprenorphine-D4	7.695	21601	10264	2.1045	91.0410
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	455487	17988	25.3221	1083.4829
Methadone	Methadone-D9	7.622	2206782	126774	17.4072	994.2666
Fluoxetine	Fluoxetine-D6	7.664	677819	32567	20.8130	996.2937
Oxazepam	Oxazepam-D5	7.709	388714	16999	22.8663	1061.6602
Temazepam	Temazepam-D5	7.747	2363702	116899	20.2200	969.8324

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

PI 6 QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.725	162412	7726	21.0220	1052.6292
Nordiazepam	Nordiazepam-D5	7.815	504403	14287	35.3050	1083.2352
Diazepam	Diazepam-D5	7.870	2039771	79465	25.6688	979.0840



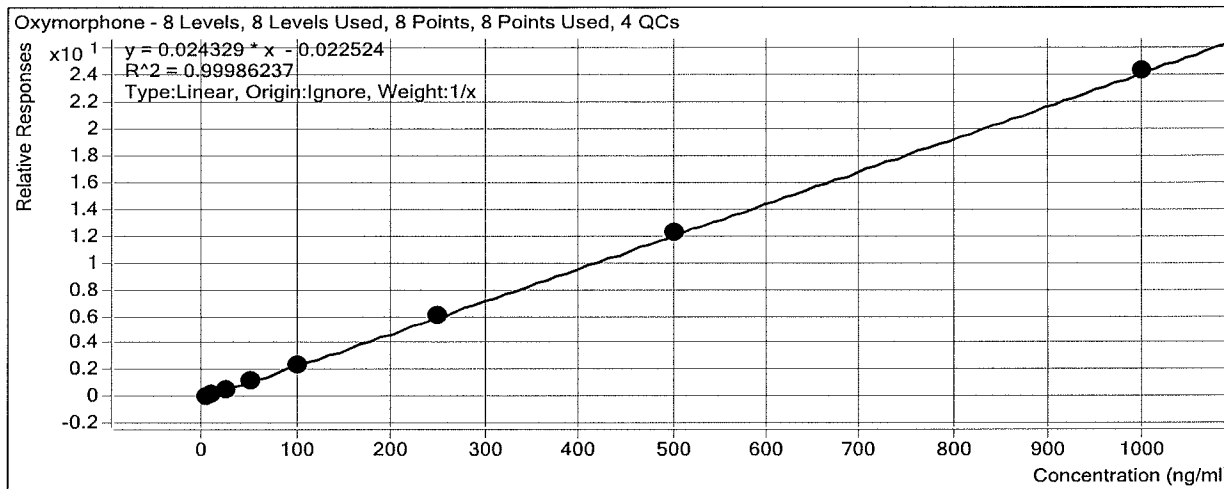
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 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	107.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.8	96.8
b qc 100	5	<input checked="" type="checkbox"/>	100	92.8	92.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.3	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	232.9	93.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.7	100.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.9	100.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	931.1	93.1

Not evaluated retention time shifts too great between controls & calibrators.

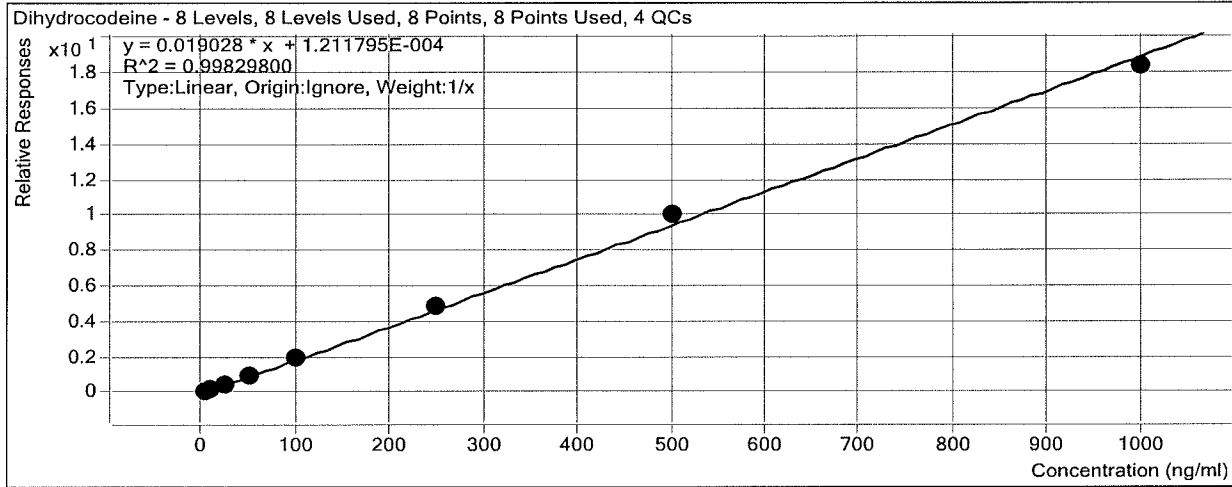
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	99.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	99.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
b qc 100	5	<input checked="" type="checkbox"/>	100	99.4	99.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.0	102.8
b QC 250	6	<input checked="" type="checkbox"/>	250	249.6	99.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	526.9	105.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.4	96.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	933.1	93.3

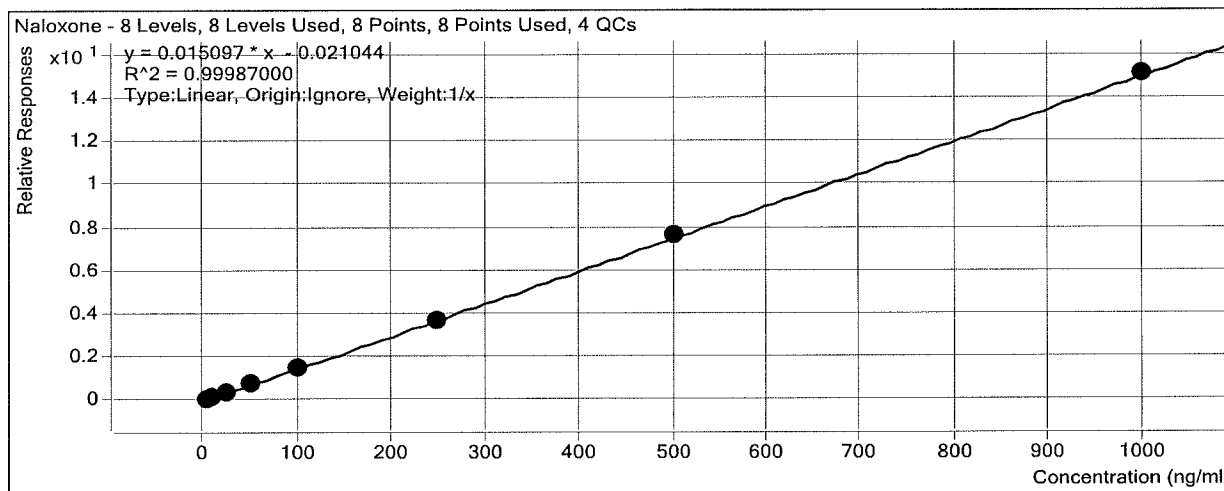
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

Target Compound *Naloxone*

Internal Standard *Naloxone-D5*



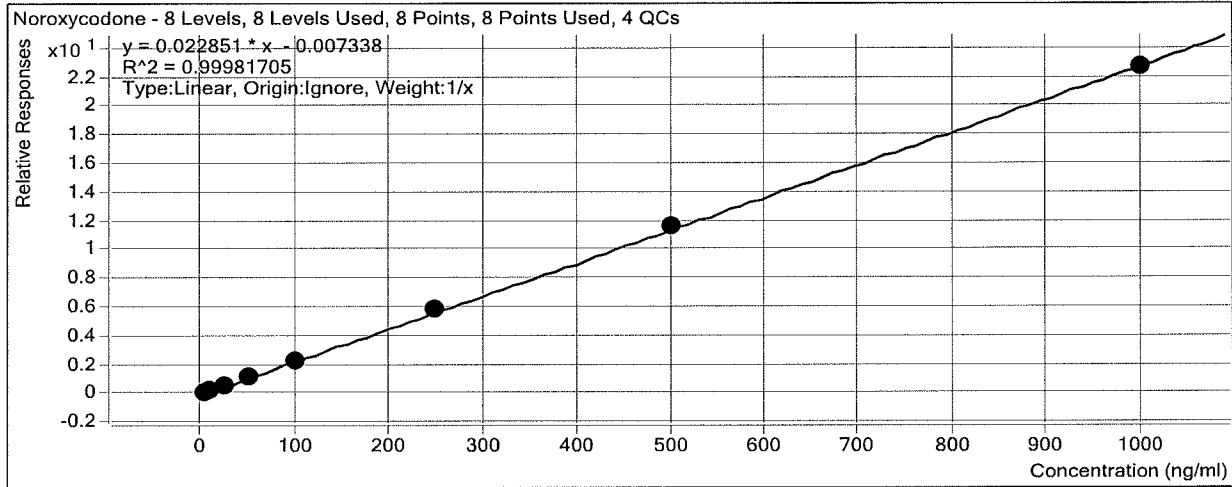
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
b qc 100	5	<input checked="" type="checkbox"/>	100	81.9	81.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.8	98.3
b QC 250	6	<input checked="" type="checkbox"/>	250	210.4	84.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.0	100.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.6	100.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	810.9	81.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

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



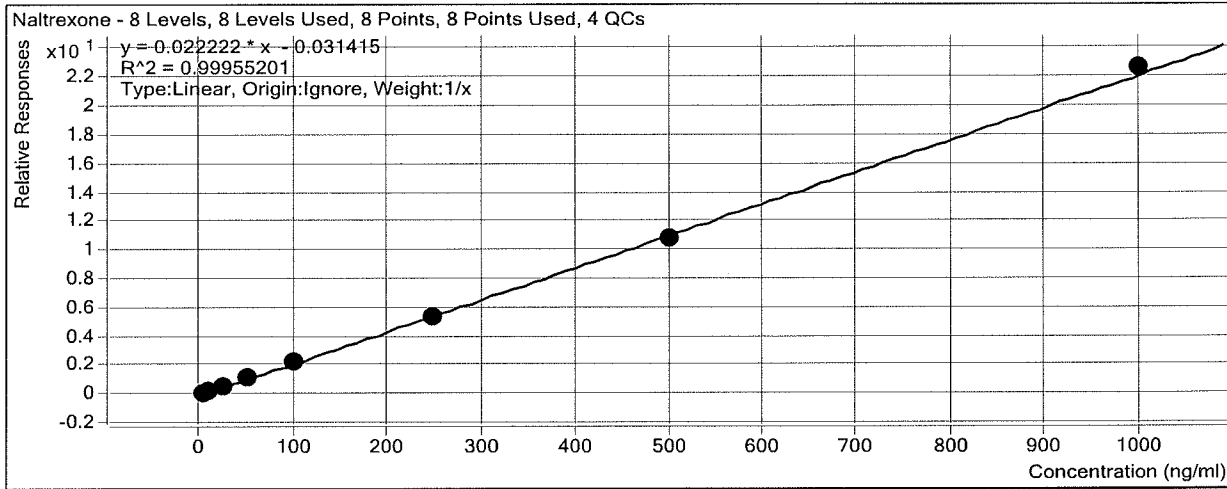
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.3	93.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.9	101.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
b qc 100	5	<input checked="" type="checkbox"/>	100	95.9	95.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.9	101.6
b QC 250	6	<input checked="" type="checkbox"/>	250	241.2	96.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.8	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	992.3	99.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1009.1	100.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

Target Compound Naltrexone
Internal Standard Naltrexone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.7	97.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b qc 100	5	<input checked="" type="checkbox"/>	100	87.6	87.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.9	98.0
b QC 250	6	<input checked="" type="checkbox"/>	250	243.7	97.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.1	98.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.4	101.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	959.8	96.0

ISP Forensics Calibration Curve Report

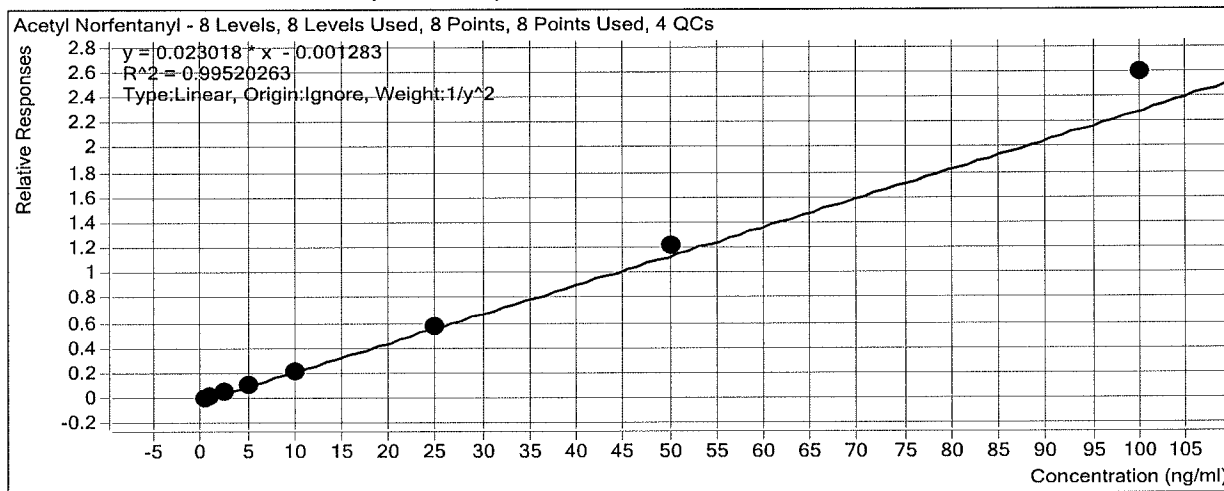
Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound Acetyl Norfentanyl

Internal Standard Acetyl Norfentanyl-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	101.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	99.3
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	89.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	95.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.7
b qc 100	5	<input checked="" type="checkbox"/>	10	9.5	95.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.2	101.0
b QC 250	6	<input checked="" type="checkbox"/>	25	25.7	103.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.9	105.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	112.6	112.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	109.7	109.7

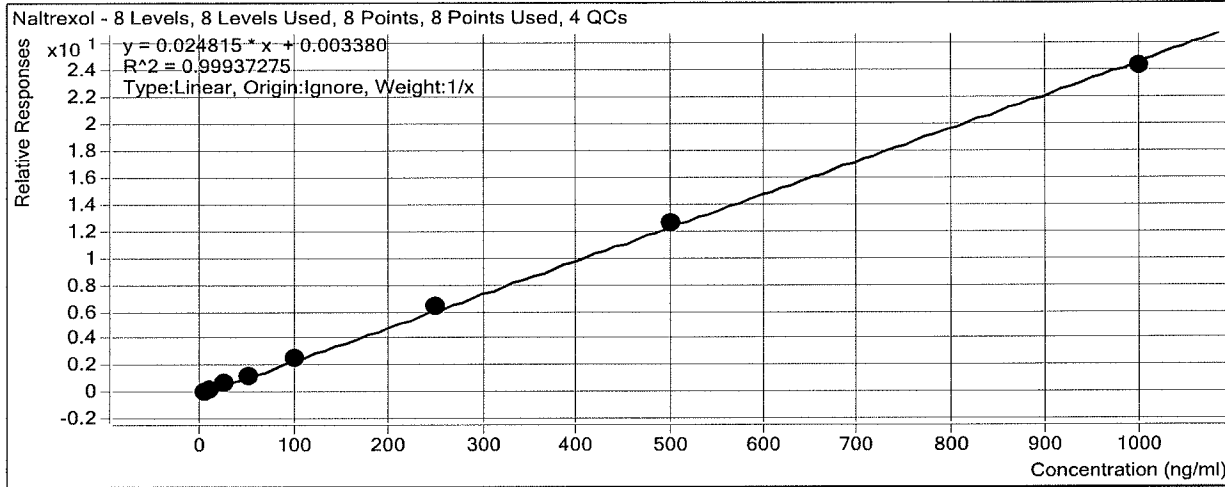
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound Naltrexol
Internal Standard Naltrexol-D3



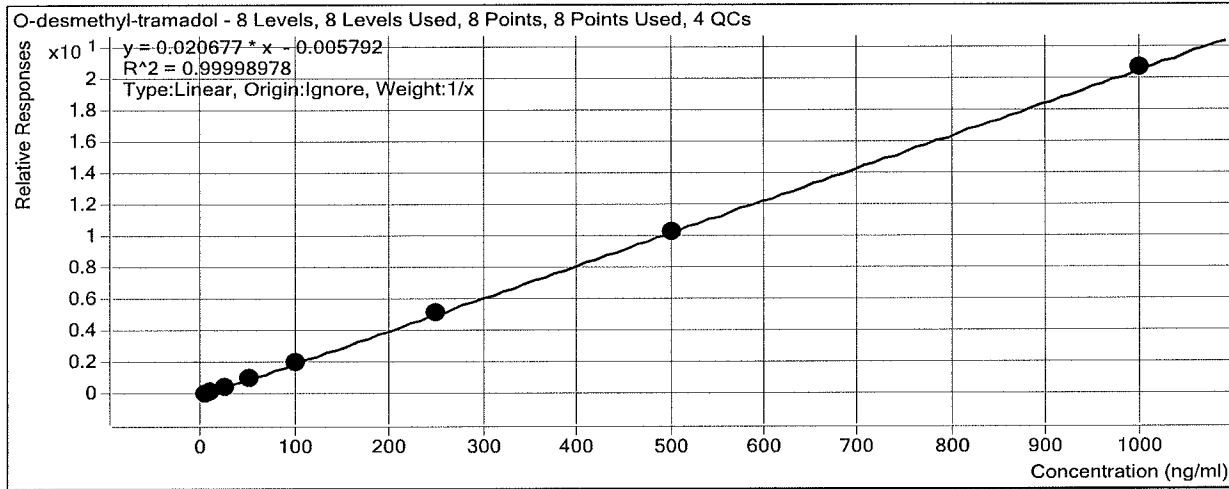
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	91.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b qc 100	5	<input checked="" type="checkbox"/>	100	101.3	101.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.8	103.5
b QC 250	6	<input checked="" type="checkbox"/>	250	253.2	101.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.2	97.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.1	96.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

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



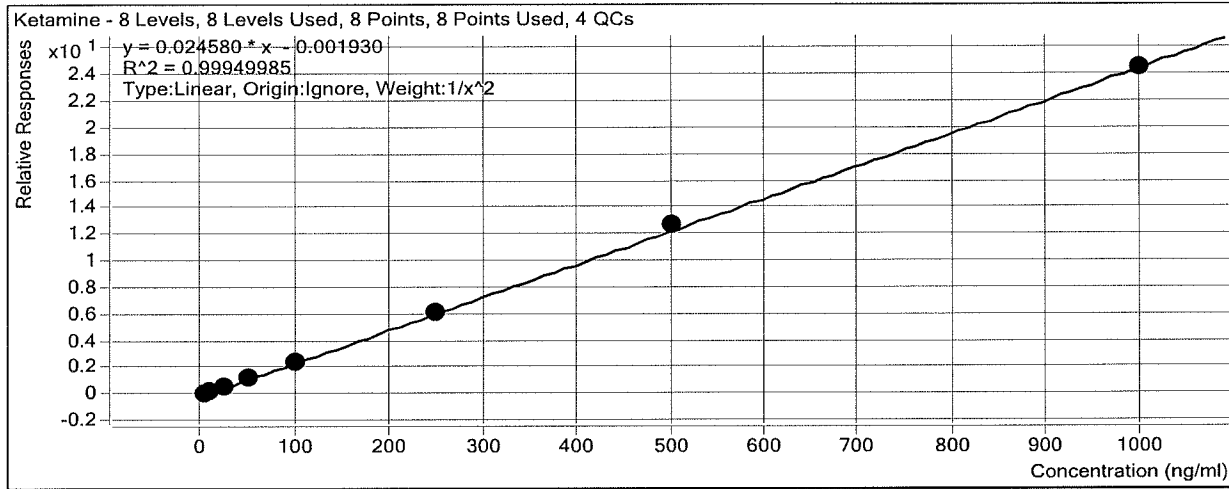
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	99.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b qc 100	5	<input checked="" type="checkbox"/>	100	102.4	102.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.2	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	254.3	101.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.1	100.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1000.5	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1024.1	102.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



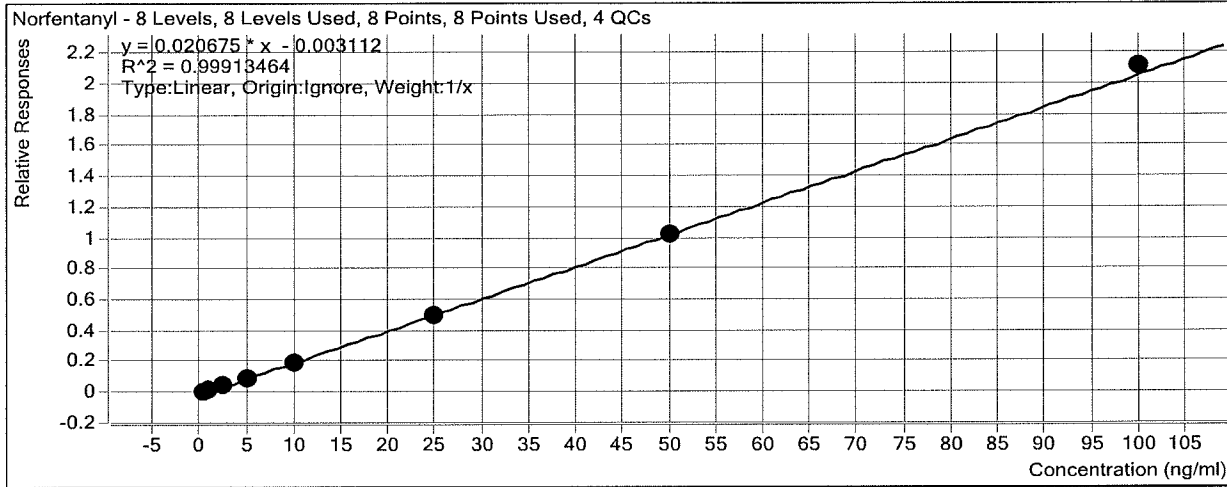
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.5	95.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.5	100.5
b qc 100	5	<input checked="" type="checkbox"/>	100	100.6	100.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.7	99.5
b QC 250	6	<input checked="" type="checkbox"/>	250	242.0	96.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.8	103.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	995.2	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.8	96.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

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



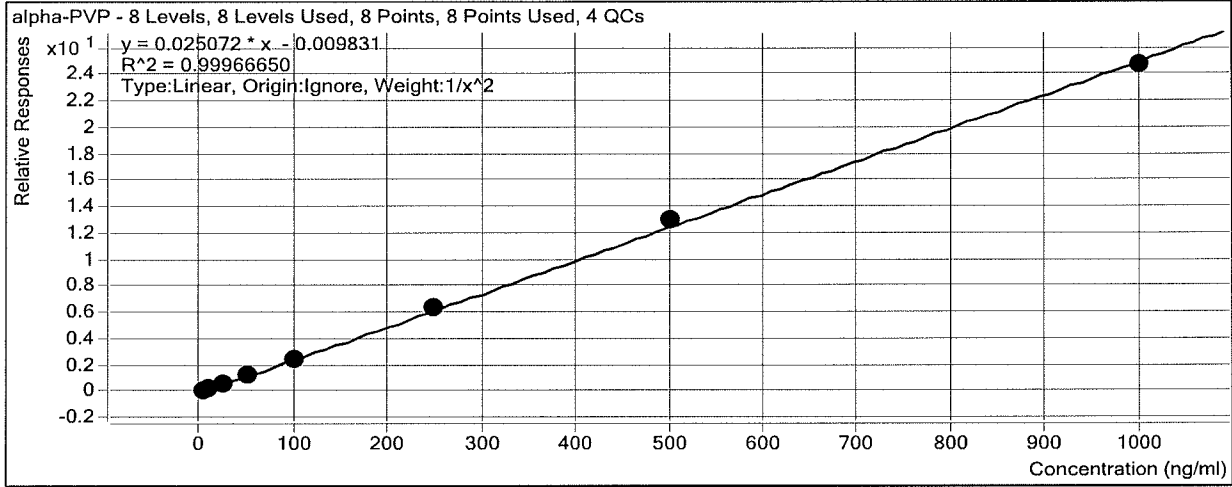
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	115.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	105.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	101.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	92.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.6
b qc 100	5	<input checked="" type="checkbox"/>	10	9.6	95.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.1	96.5
b QC 250	6	<input checked="" type="checkbox"/>	25	24.6	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.5	99.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.2	102.2
b qc 1000	8	<input checked="" type="checkbox"/>	100	107.5	107.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
b qc 100	5	<input checked="" type="checkbox"/>	100	90.9	90.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.1	100.0
b QC 250	6	<input checked="" type="checkbox"/>	250	231.5	92.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.7	103.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.9	98.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	933.2	93.3

ISP Forensics Calibration Curve Report

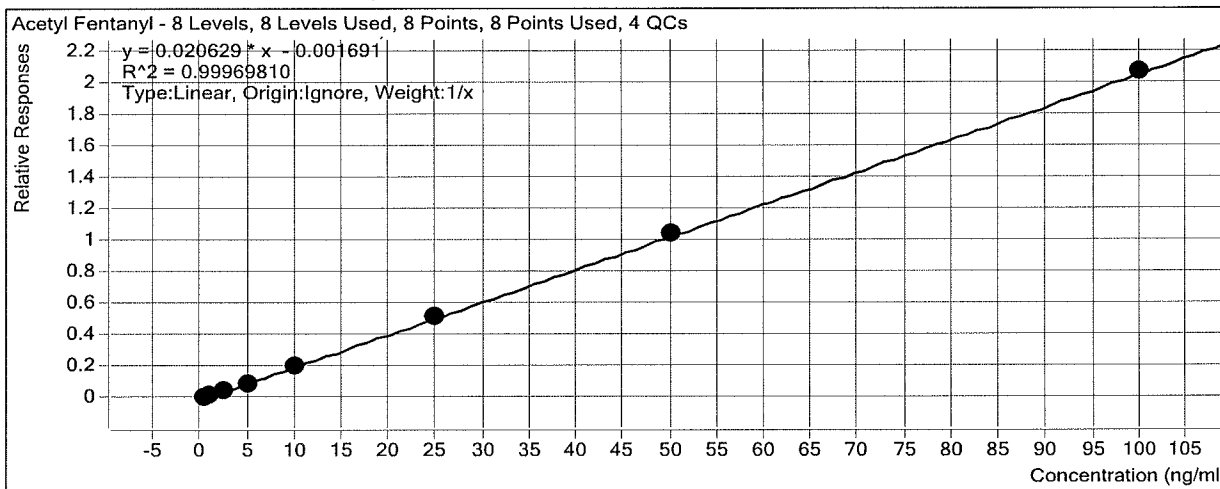
Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 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	114.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	101.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	91.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	97.1
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	92.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.0	100.0
b QC 250	6	<input checked="" type="checkbox"/>	25	23.5	93.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.4	100.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.3	100.3
b qc 1000	8	<input checked="" type="checkbox"/>	100	97.0	97.0

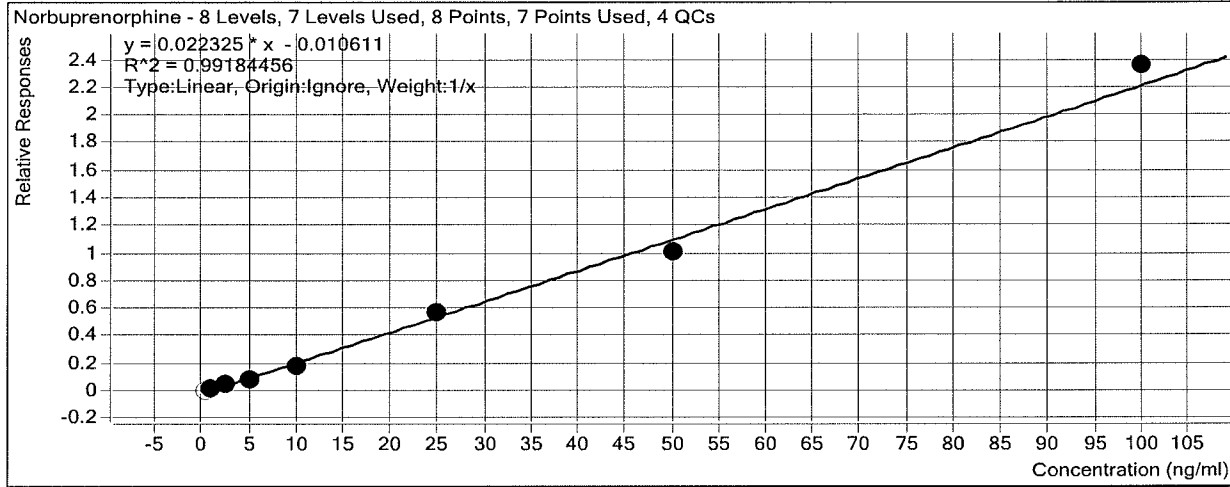
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.7	142.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.4	141.6
b QC 10	2	<input type="checkbox"/>	1	1.5	151.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.0	80.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	8.4	84.4
b qc 100	5	<input checked="" type="checkbox"/>	10	9.9	98.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.7	102.7
b QC 250	6	<input checked="" type="checkbox"/>	25	18.7	74.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	45.7	91.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	105.9	105.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	73.4	73.4

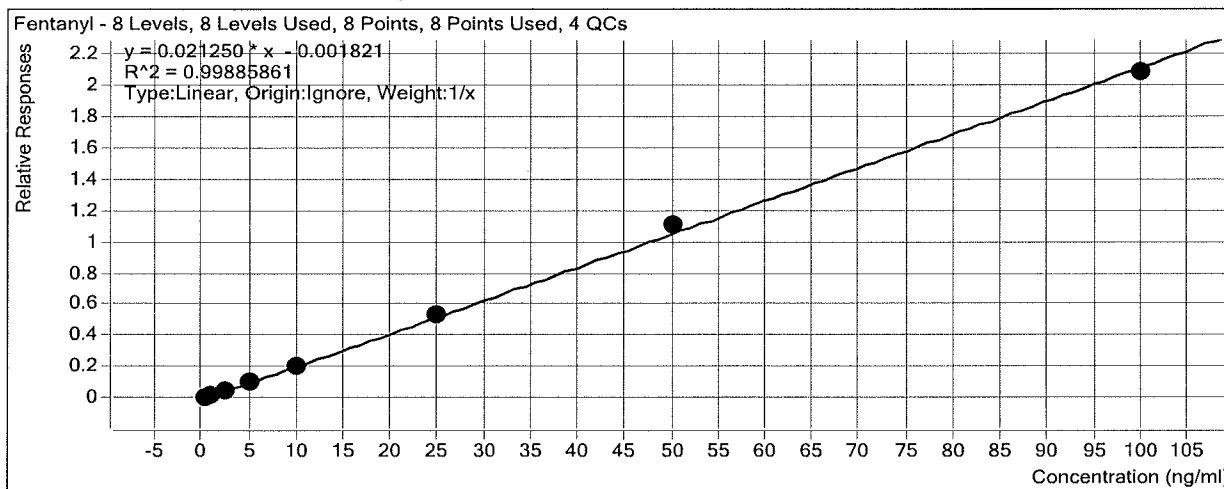
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

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



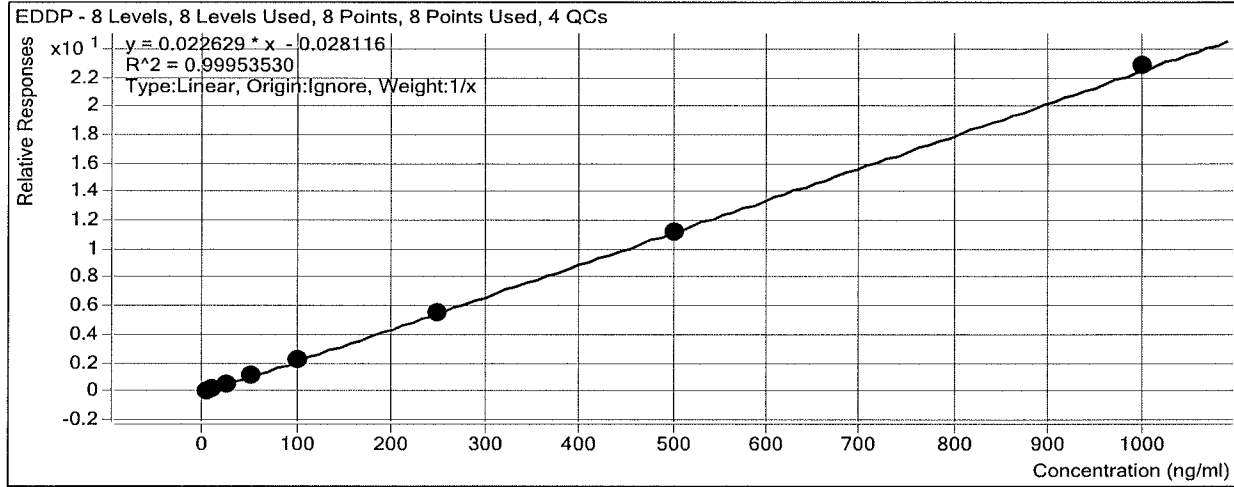
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	107.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	102.7
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	103.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	93.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	96.2
b qc 100	5	<input checked="" type="checkbox"/>	10	9.0	90.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.4	101.5
b QC 250	6	<input checked="" type="checkbox"/>	25	22.8	91.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.4	104.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	97.9	97.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	93.0	93.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



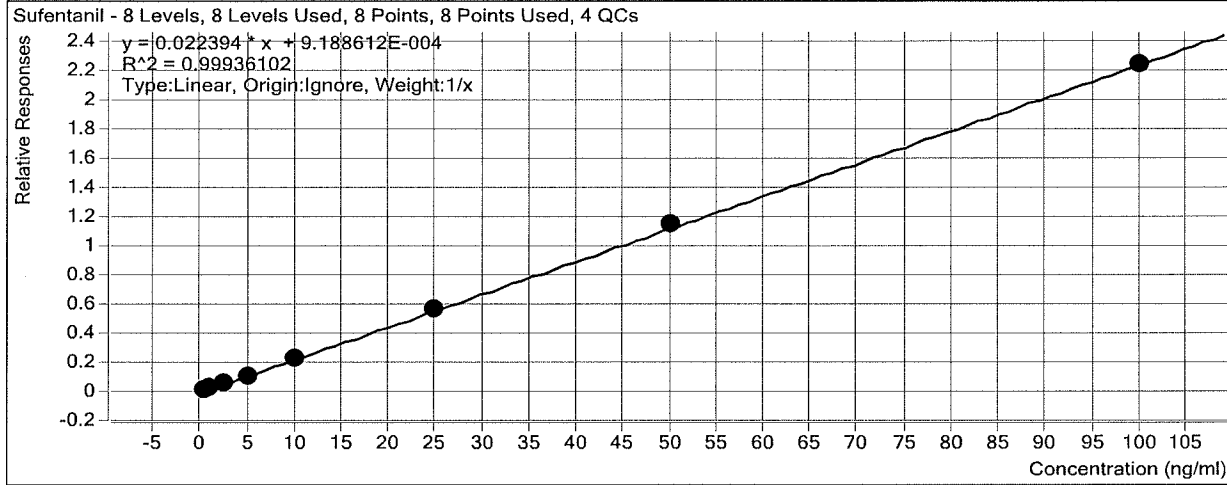
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	114.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.5	86.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b qc 100	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.8	98.3
b QC 250	6	<input checked="" type="checkbox"/>	250	247.4	98.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.4	100.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.1	100.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1093.8	109.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 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	0.6	123.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	94.3
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	98.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.2	88.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	93.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.9	99.2
b qc 100	5	<input checked="" type="checkbox"/>	10	10.1	100.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.9	99.6
b QC 250	6	<input checked="" type="checkbox"/>	25	26.9	107.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.1	102.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	99.6	99.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	108.9	108.9

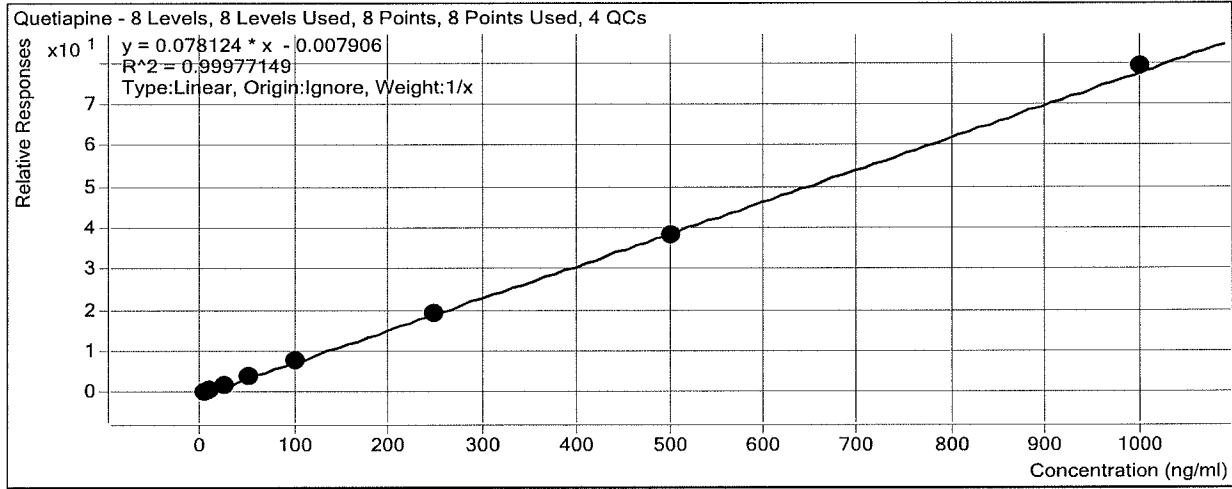
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
b qc 100	5	<input checked="" type="checkbox"/>	100	103.7	103.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.9	97.9
b QC 250	6	<input checked="" type="checkbox"/>	250	264.1	105.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.9	98.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.9	101.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1019.1	101.9

ISP Forensics Calibration Curve Report

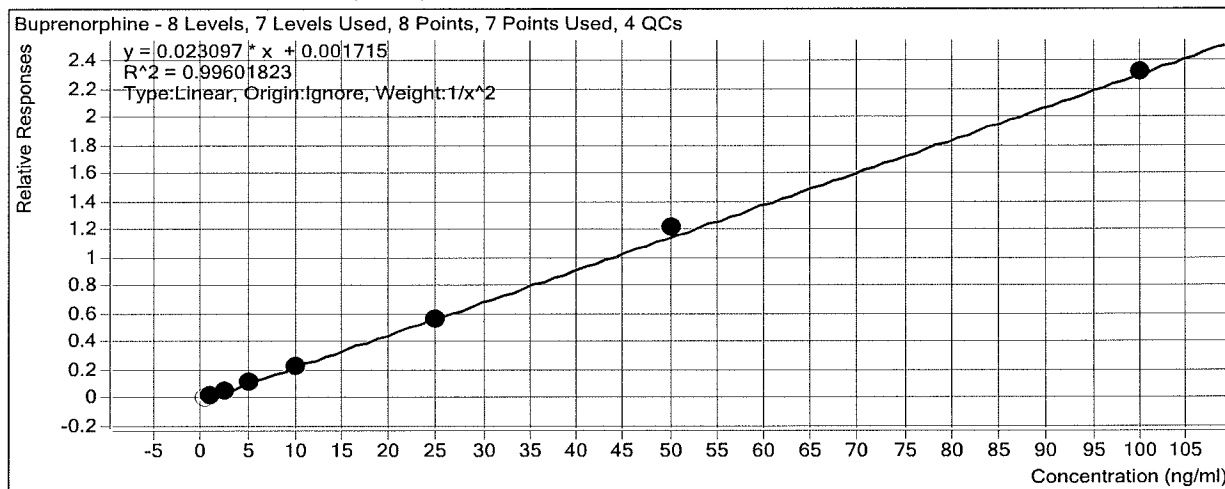
Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound *Buprenorphine*

Internal Standard *Buprenorphine-D4*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.4	83.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	103.0
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	90.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	90.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.3	105.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.0
b qc 100	5	<input checked="" type="checkbox"/>	10	8.5	85.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	97.9
b QC 250	6	<input checked="" type="checkbox"/>	25	23.3	93.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.6	105.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.1	100.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	91.0	91.0

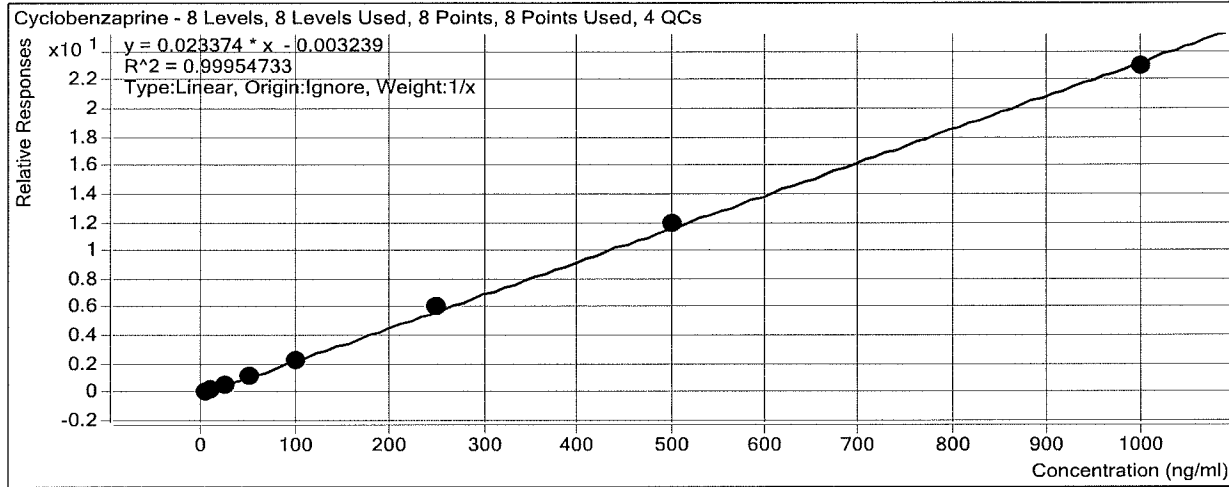
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound Cyclobenzaprine
Internal Standard Cyclobenzaprine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b qc 100	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.1	102.8
b QC 250	6	<input checked="" type="checkbox"/>	250	255.7	102.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.5	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	981.8	98.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1083.5	108.3

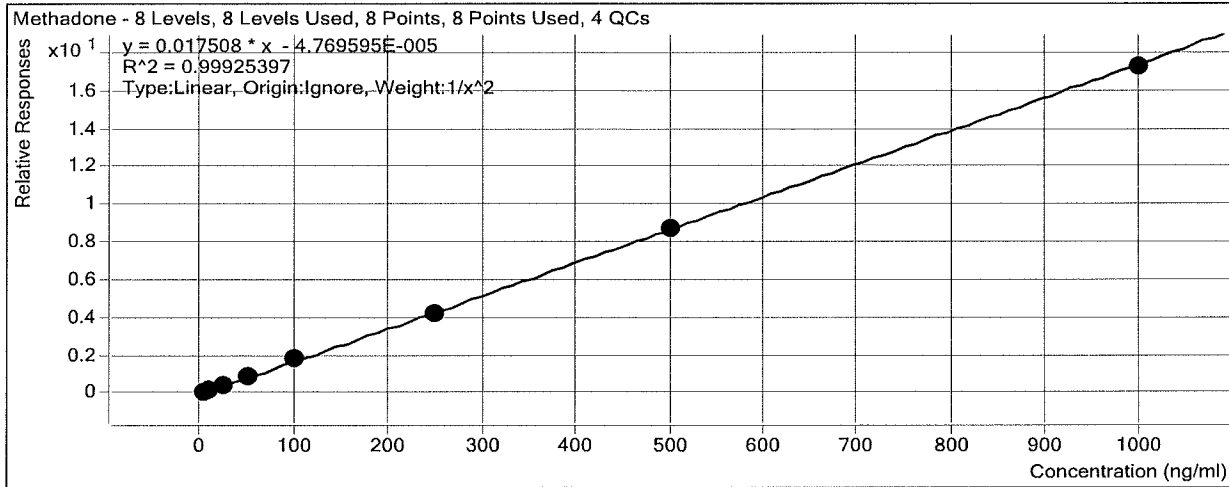
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound Methadone
Internal Standard Methadone-D9



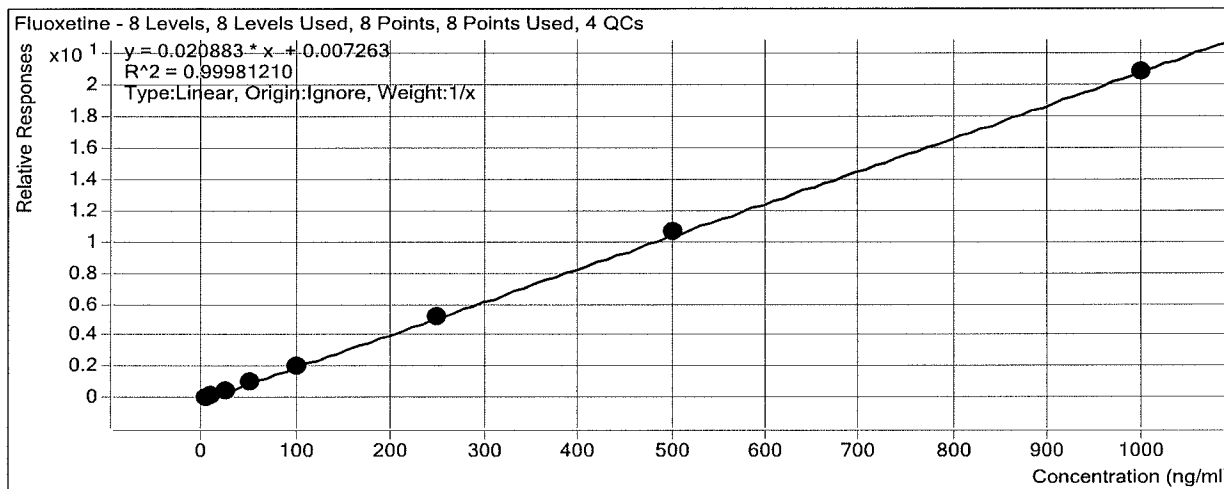
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.5	105.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.2	96.9
b QC 250	6	<input checked="" type="checkbox"/>	250	243.5	97.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.5	99.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.0	98.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	994.3	99.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

Target Compound *Fluoxetine*
Internal Standard *Fluoxetine-D6*



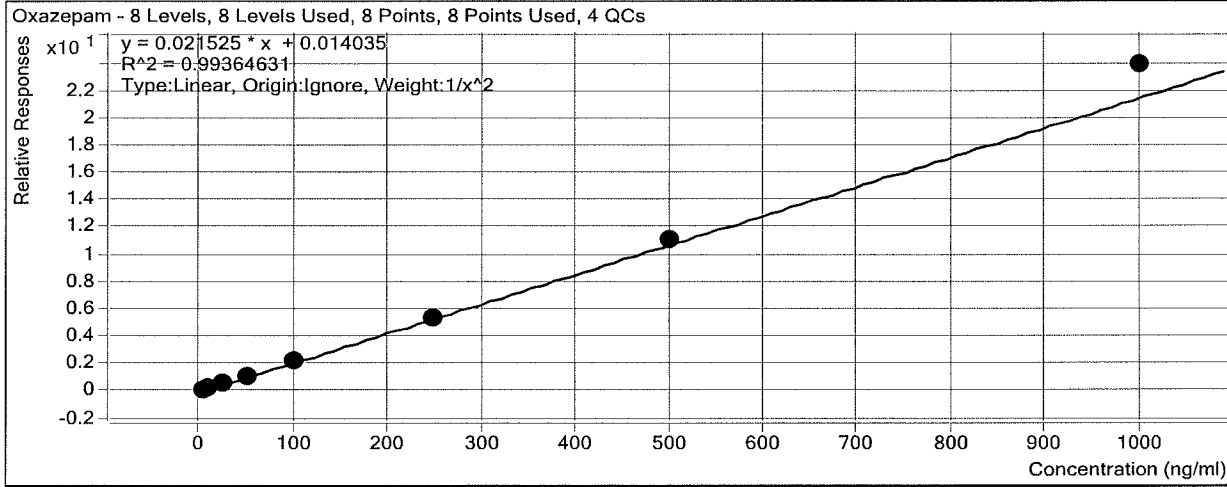
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.7	99.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.0	99.0
b qc 100	5	<input checked="" type="checkbox"/>	100	96.0	96.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
b QC 250	6	<input checked="" type="checkbox"/>	250	227.8	91.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.5	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	994.2	99.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	996.3	99.6

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



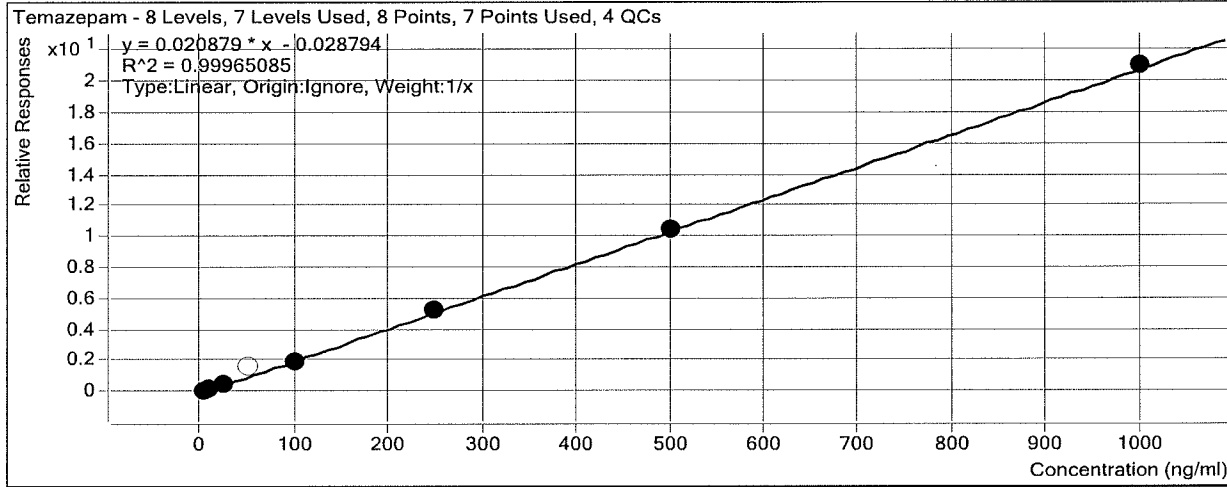
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	106.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.0	90.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.3	94.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.9	101.9
b qc 100	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.0	99.2
b QC 250	6	<input checked="" type="checkbox"/>	250	258.3	103.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.8	103.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1107.6	110.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1061.7	106.2

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.7	113.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.4	89.4
b cal 4-50ng	4	<input type="checkbox"/>	50	77.6	155.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
b qc 100	5	<input checked="" type="checkbox"/>	100	101.5	101.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.8	99.9
b QC 250	6	<input checked="" type="checkbox"/>	250	238.9	95.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.1	100.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.4	100.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	969.8	97.0

*dropped top of internal standard
peak flat*

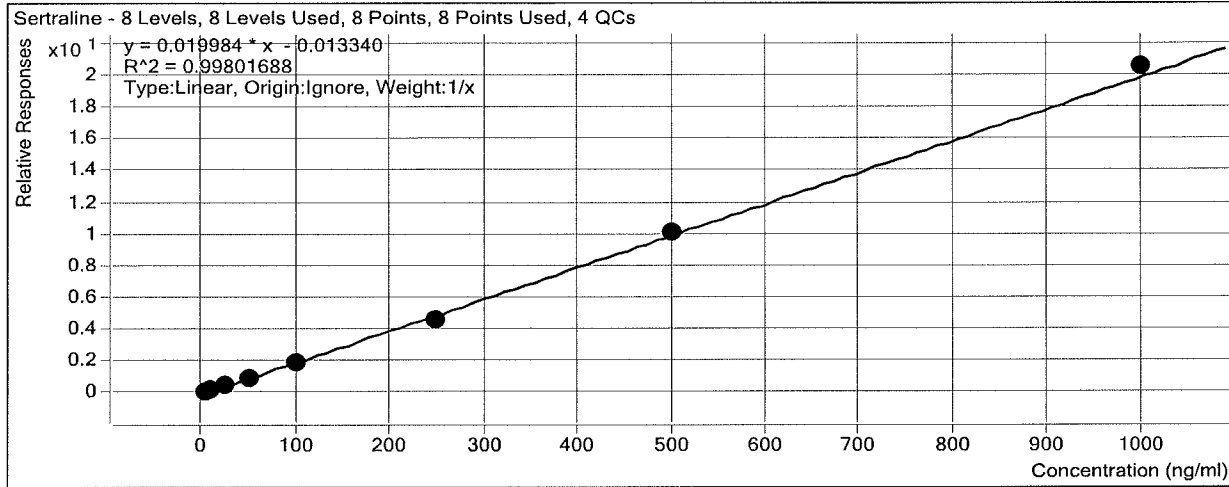
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



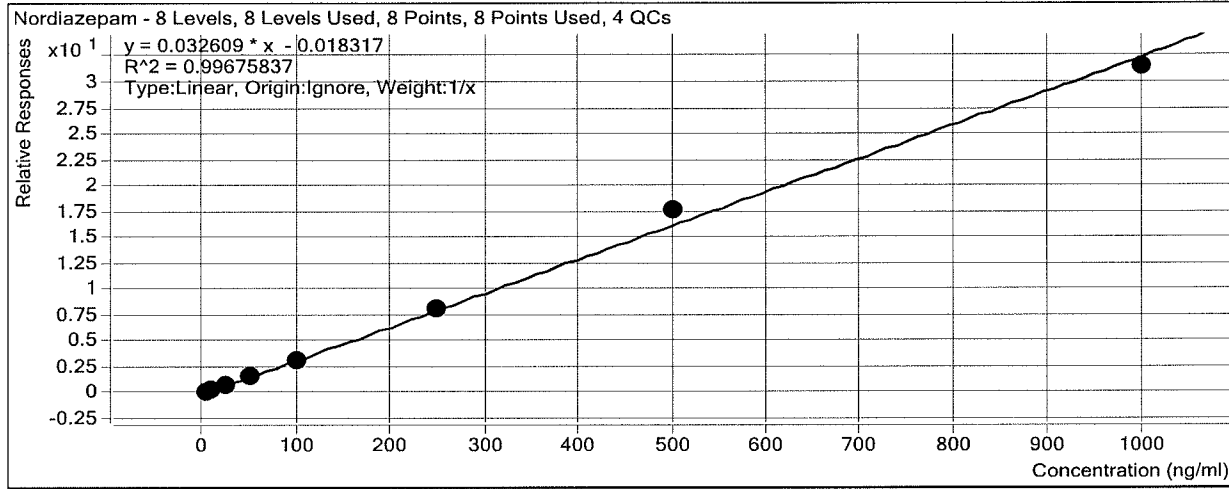
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.2
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	93.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.9	103.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.6	92.6
b qc 100	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	228.4	91.4
b QC 250	6	<input checked="" type="checkbox"/>	250	250.2	100.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.1	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.3	102.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1052.6	105.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 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	5.4	107.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	107.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.9	87.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.9	94.9
b qc 100	5	<input checked="" type="checkbox"/>	100	100.3	100.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.1	100.4
b QC 250	6	<input checked="" type="checkbox"/>	250	253.9	101.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	543.1	108.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.3	96.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1083.2	108.3

ISP Forensics Calibration Curve Report

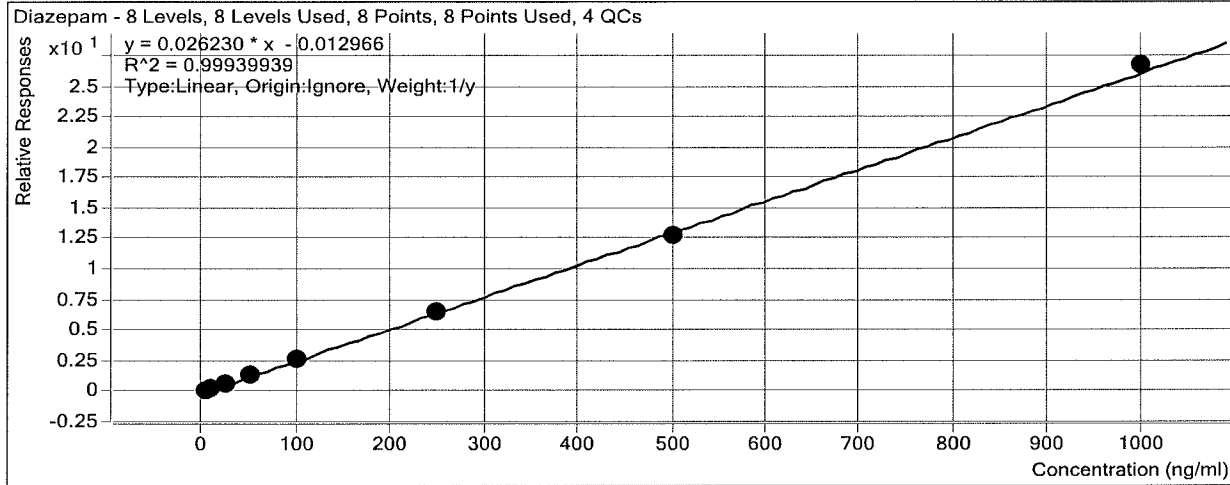
Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin

Last Calib Update 8/23/2017 10:55 AM

Analyst Name ISP TOX

Target Compound *Diazepam*

Internal Standard *Diazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	98.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.3	102.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.1	101.1
b qc 100	5	<input checked="" type="checkbox"/>	100	103.6	103.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.2	98.1
b QC 250	6	<input checked="" type="checkbox"/>	250	252.4	100.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.0	96.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1018.8	101.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	979.1	97.9

ISP FORENSICS - Cd'A Instrument # 62340

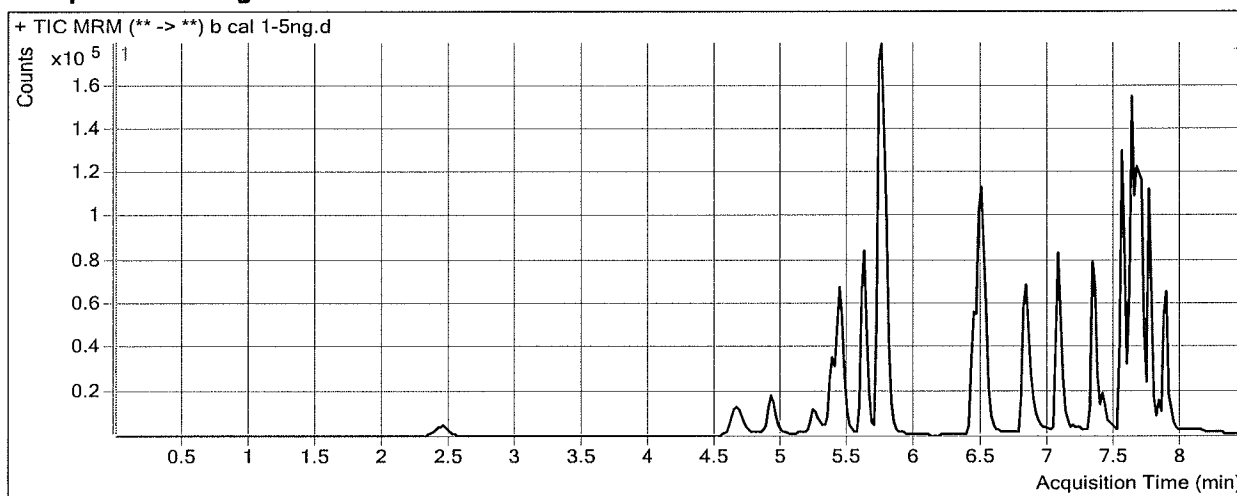
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin		
Analysis Time	8/23/2017 10:55 AM	Analyst Name	anord
Report Time	8/23/2017 1:33 PM	Reporter Name	ISP Tox
Last Calib Update	8/23/2017 10:55 AM	Batch State	Processed

Analysis Info

Acq Time	2017-08-22 13:25	Data File	b cal 1-5ng.d
Sample Type	Calibration	Sample Name	b cal 1-5ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-A1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



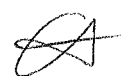
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.449	3124	28910	0.1081	5.3676
Dihydrocodeine	Dihydrocodeine-D6	4.713	7142	74642	0.0957	5.0222
Naloxone	Naloxone-D5	4.952	4490	72663	0.0618	5.4866
Noroxycodone	Noroxycodone-D3	5.278	4950	43038	0.1150	5.3550
Naltrexone	Naltrexone-D3	5.371	9352	103165	0.0906	5.4929
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.484	2662	254892	0.0104	0.5094
Naltrexol	Naltrexol-D3	5.611	28651	245804	0.1166	4.5610
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.757	60065	614468	0.0978	5.0076
Ketamine	Ketamine-D4	6.459	22391	181753	0.1232	5.0906
Norfentanyl	Norfentanyl-D5	6.523	2906	330541	0.0088	0.5758
alpha-PVP	alpha-PVP-d8	6.828	31526	271238	0.1162	5.0278
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.084	2619	260307	0.0101	0.5698
Norbuprenorphine	Norbuprenorphine-D3	7.314	34	6448	0.0053	0.7135
Fentanyl	Fentanyl-D5	7.338	2025	211060	0.0096	0.5371
EDDP	EDDP-D3	7.408	3974	38999	0.1019	5.7451
Sufentanil	Sufentanil-D5	7.538	1943	131983	0.0147	0.6164
Quetiapine	Quetiapine-D8	7.559	51495	128210	0.4016	5.2423
Buprenorphine	Buprenorphine-D4	7.635	503	44474	0.0113	0.4154
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	9712	86078	0.1128	4.9657
Methadone	Methadone-D9	7.622	21868	250049	0.0875	4.9979
Fluoxetine	Fluoxetine-D6	7.684	29458	253922	0.1160	5.2075
Oxazepam	Oxazepam-D5	7.709	2311	17960	0.1287	5.3264
Temazepam	Temazepam-D5	7.747	11367	126294	0.0900	5.6900

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

PI b cal 1

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	7211	72747	0.0991	5.6282
Nordiazepam	Nordiazepam-D5	7.835	3413	21697	0.1573	5.3858
Diazepam	Diazepam-D5	7.890	15833	136842	0.1157	4.9053



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

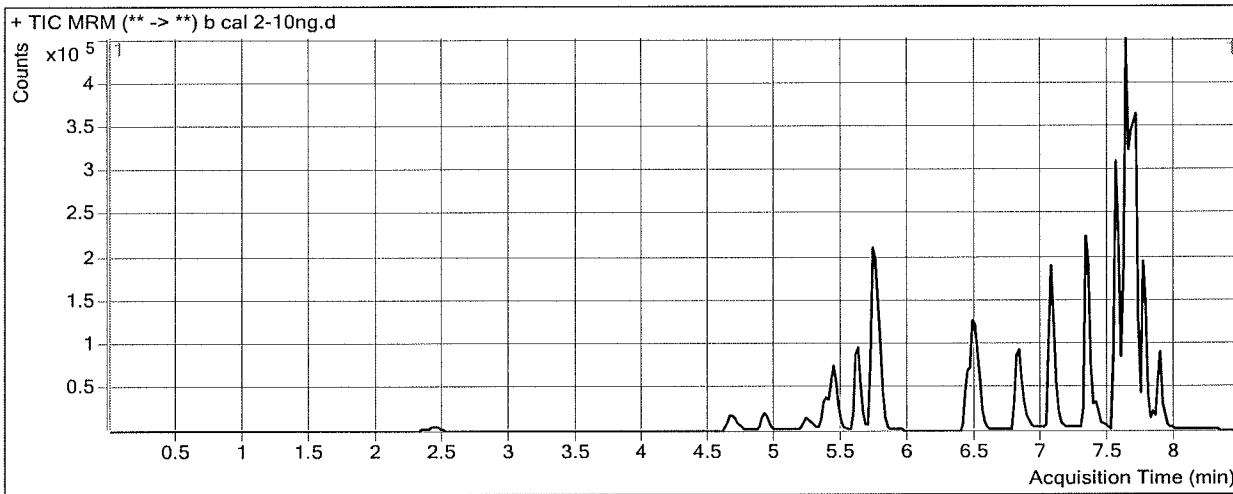
p1 b cal 2

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin
Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 13:50 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



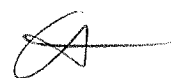
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.429	6850	30603	0.2238	10.1263
Dihydrocodeine	Dihydrocodeine-D6	4.713	14267	80245	0.1778	9.3374
Naloxone	Naloxone-D5	4.952	9650	76372	0.1264	9.7633
Noroxycodone	Noroxycodone-D3	5.257	9863	47863	0.2061	9.3391
Naltrexone	Naltrexone-D3	5.371	20546	106760	0.1925	10.0741
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.484	6014	278825	0.0216	0.9928
Naltrexol	Naltrexol-D3	5.611	63076	261870	0.2409	9.5703
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.757	129986	647102	0.2009	9.9949
Ketamine	Ketamine-D4	6.439	48135	204488	0.2354	9.6552
Norfentanyl	Norfentanyl-D5	6.523	7082	379206	0.0187	1.0538
alpha-PVP	alpha-PVP-d8	6.828	78501	327768	0.2395	9.9444
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.084	11790	613285	0.0192	1.0139
Norbuprenorphine	Norbuprenorphine-D3	7.314	263	12530	0.0210	1.4165
Fentanyl	Fentanyl-D5	7.338	12199	609688	0.0200	1.0273
EDDP	EDDP-D3	7.408	11317	55194	0.2050	10.3035
Sufentanil	Sufentanil-D5	7.538	9095	412548	0.0220	0.9434
Quetiapine	Quetiapine-D8	7.559	153824	198558	0.7747	10.0176
Buprenorphine	Buprenorphine-D4	7.635	2928	114799	0.0255	1.0301
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	56392	249284	0.2262	9.8166
Methadone	Methadone-D9	7.643	108614	625630	0.1736	9.9188
Fluoxetine	Fluoxetine-D6	7.684	151033	719838	0.2098	9.6993
Oxazepam	Oxazepam-D5	7.729	4316	20726	0.2082	9.0225
Temazepam	Temazepam-D5	7.747	27430	151324	0.1813	10.0610

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

fl bcal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	37325	193591	0.1928	10.3157
Nordiazepam	Nordiazepam-D5	7.855	8653	26138	0.3310	10.7134
Diazepam	Diazepam-D5	7.890	36943	151610	0.2437	9.7840



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

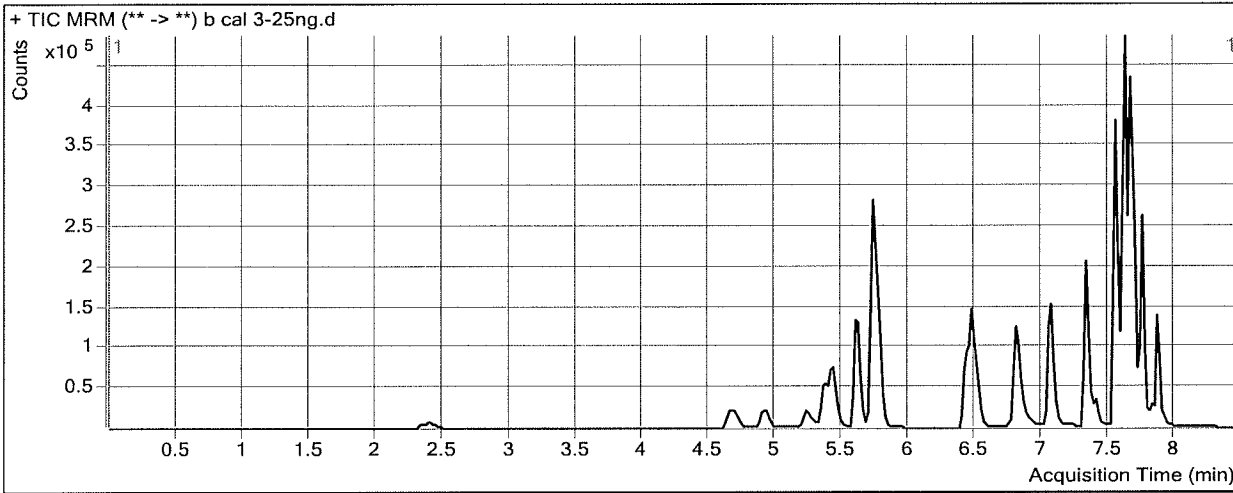
P1 b cal 3

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Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 14:16 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.409	17908	31741	0.5642	24.1166
Dihydrocodeine	Dihydrocodeine-D6	4.693	38706	82172	0.4710	24.7479
Naloxone	Naloxone-D5	4.952	26480	77994	0.3395	23.8827
Noroxycodone	Noroxycodone-D3	5.257	27649	50134	0.5515	24.4567
Naltrexone	Naltrexone-D3	5.371	56411	112454	0.5016	23.9873
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.484	15204	282469	0.0538	2.3942
Naltrexol	Naltrexol-D3	5.611	166986	261121	0.6395	25.6343
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.737	337132	652807	0.5164	25.2562
Ketamine	Ketamine-D4	6.439	121635	199195	0.6106	24.9211
Norfentanyl	Norfentanyl-D5	6.503	16908	374248	0.0452	2.3358
alpha-PVP	alpha-PVP-d8	6.808	183841	301404	0.6099	24.7195
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.062	22101	484773	0.0456	2.2920
Norbuprenorphine	Norbuprenorphine-D3	7.294	470	11240	0.0418	2.3472
Fentanyl	Fentanyl-D5	7.318	23240	486815	0.0477	2.3323
EDDP	EDDP-D3	7.408	23307	50840	0.4584	21.5011
Sufentanil	Sufentanil-D5	7.538	16595	329108	0.0504	2.2106
Quetiapine	Quetiapine-D8	7.539	330403	174699	1.8913	24.3098
Buprenorphine	Buprenorphine-D4	7.635	4735	88166	0.0537	2.2512
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	112395	194063	0.5792	24.9168
Methadone	Methadone-D9	7.622	202761	464134	0.4369	24.9552
Fluoxetine	Fluoxetine-D6	7.664	287750	542232	0.5307	25.0640
Oxazepam	Oxazepam-D5	7.709	11233	21675	0.5182	23.4245
Temazepam	Temazepam-D5	7.747	68549	156502	0.4380	22.3578

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

P1 b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	75645	150025	0.5042	25.8990
Nordiazepam	Nordiazepam-D5	7.835	18536	26632	0.6960	21.9064
Diazepam	Diazepam-D5	7.870	97338	144860	0.6719	26.1114



ISP FORENSICS - Cd'A Instrument # 62340

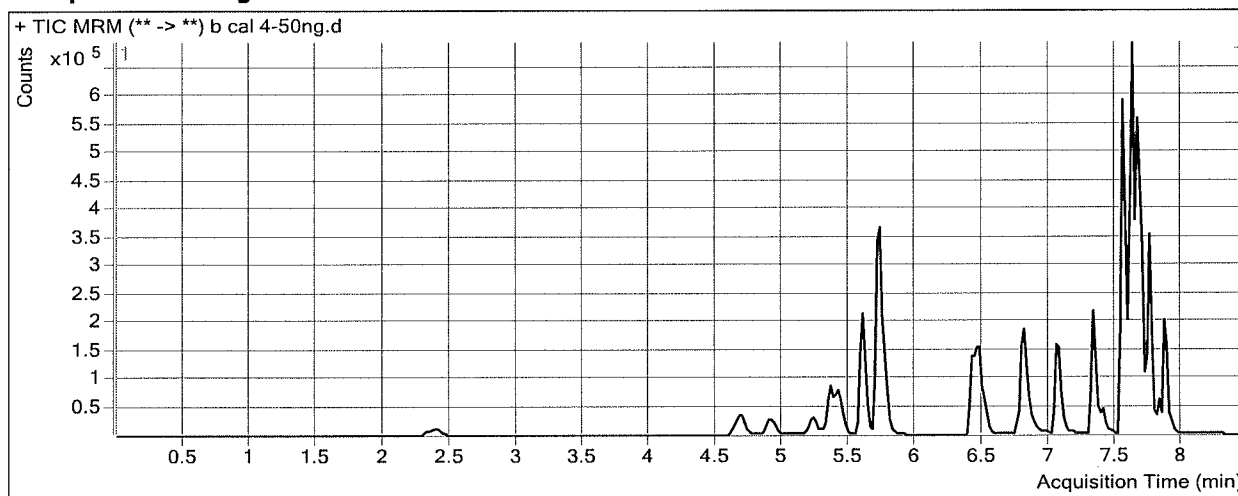
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 14:41 **Data File** b cal 4-50ng.d
Sample Type Calibration **Sample Name** b cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.389	37056	31891	1.1619	48.6855
Dihydrocodeine	Dihydrocodeine-D6	4.693	80196	84331	0.9510	49.9705
Naloxone	Naloxone-D5	4.932	56585	78254	0.7231	49.2900
Noroxycodone	Noroxycodone-D3	5.237	57810	50046	1.1551	50.8726
Naltrexone	Naltrexone-D3	5.351	115169	109690	1.0499	48.6611
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.464	29194	275236	0.1061	4.6639
Naltrexol	Naltrexol-D3	5.590	339867	261360	1.3004	52.2666
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.737	683826	665626	1.0273	49.9650
Ketamine	Ketamine-D4	6.439	252987	207549	1.2189	49.6689
Norfentanyl	Norfentanyl-D5	6.503	34496	372051	0.0927	4.6351
alpha-PVP	alpha-PVP-d8	6.808	375443	304366	1.2335	49.5905
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.062	48046	500107	0.0961	4.7391
Norbuprenorphine	Norbuprenorphine-D3	7.314	909	11542	0.0788	4.0038
Fentanyl	Fentanyl-D5	7.318	49345	491926	0.1003	4.8062
EDDP	EDDP-D3	7.408	52707	48214	1.0932	49.5513
Sufentanil	Sufentanil-D5	7.538	34562	327893	0.1054	4.6657
Quetiapine	Quetiapine-D8	7.539	685465	175396	3.9081	50.1255
Buprenorphine	Buprenorphine-D4	7.635	11128	89831	0.1239	5.2890
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	224985	194484	1.1568	49.6306
Methadone	Methadone-D9	7.622	423146	460249	0.9194	52.5160
Fluoxetine	Fluoxetine-D6	7.664	548583	524631	1.0457	49.7238
Oxazepam	Oxazepam-D5	7.709	25031	24257	1.0319	47.2886
Temazepam	Temazepam-D5	7.747	186548	117150	1.5924	77.6475

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

pl b cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	136449	148448	0.9192	46.6636
Nordiazepam	Nordiazepam-D5	7.835	50780	32442	1.5653	48.5628
Diazepam	Diazepam-D5	7.870	201910	151612	1.3317	51.2655



ISP FORENSICS - Cd'A Instrument # 62340

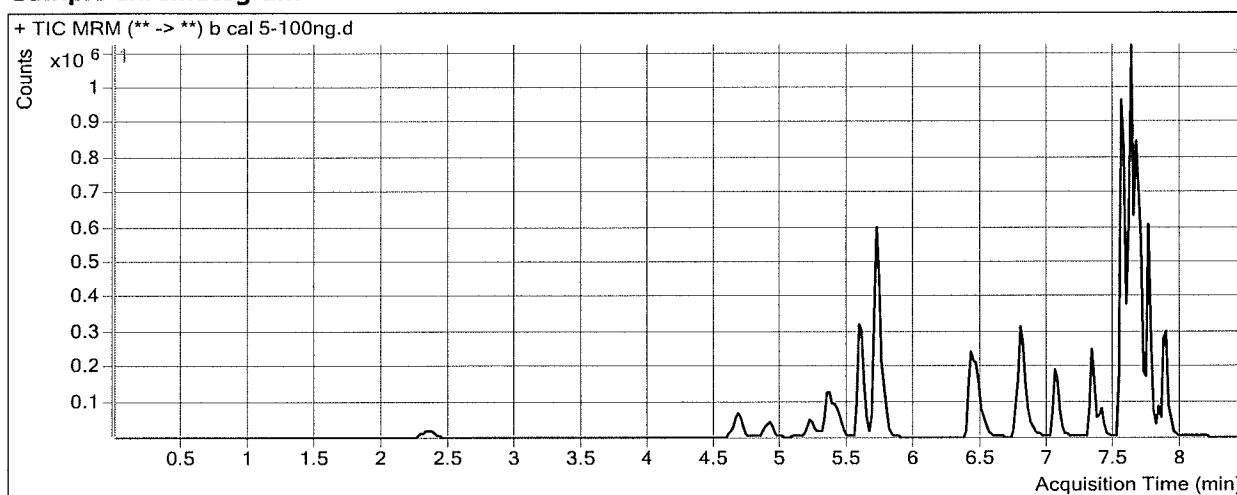
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 15:07 **Data File** b cal 5-100ng.d
Sample Type Calibration **Sample Name** b cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.349	76188	32669	2.3321	96.7855
Dihydrocodeine	Dihydrocodeine-D6	4.674	167782	85896	1.9533	102.6468
Naloxone	Naloxone-D5	4.912	114855	77838	1.4756	99.1324
Noroxycodone	Noroxycodone-D3	5.217	111661	50033	2.2317	97.9882
Naltrexone	Naltrexone-D3	5.351	228686	106220	2.1529	98.2958
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.464	63373	289438	0.2190	9.5681
Naltrexol	Naltrexol-D3	5.590	668215	260530	2.5648	103.2217
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.717	1381084	676541	2.0414	99.0068
Ketamine	Ketamine-D4	6.419	516040	209134	2.4675	100.4656
Norfentanyl	Norfentanyl-D5	6.483	75079	386126	0.1944	9.5554
alpha-PVP	alpha-PVP-d8	6.788	767786	307458	2.4972	99.9917
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.062	99649	501690	0.1986	9.7105
Norbuprenorphine	Norbuprenorphine-D3	7.314	1944	10938	0.1777	8.4355
Fentanyl	Fentanyl-D5	7.318	100967	498151	0.2027	9.6239
EDDP	EDDP-D3	7.408	112669	51637	2.1819	97.6641
Sufentanil	Sufentanil-D5	7.538	71985	322832	0.2230	9.9159
Quetiapine	Quetiapine-D8	7.559	1421829	182768	7.7794	99.6789
Buprenorphine	Buprenorphine-D4	7.655	20781	91129	0.2280	9.7992
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	455072	194405	2.3408	100.2858
Methadone	Methadone-D9	7.622	849466	479934	1.7700	101.0993
Fluoxetine	Fluoxetine-D6	7.664	1109082	534543	2.0748	99.0061
Oxazepam	Oxazepam-D5	7.709	47142	21365	2.2065	101.8568
Temazepam	Temazepam-D5	7.747	317645	161528	1.9665	95.5663

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

plb cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	263323	143275	1.8379	92.6368
Nordiazepam	Nordiazepam-D5	7.835	86727	28191	3.0764	94.9051
Diazepam	Diazepam-D5	7.890	394041	149324	2.6388	101.0966

ISP FORENSICS - Cd'A Instrument # 62340

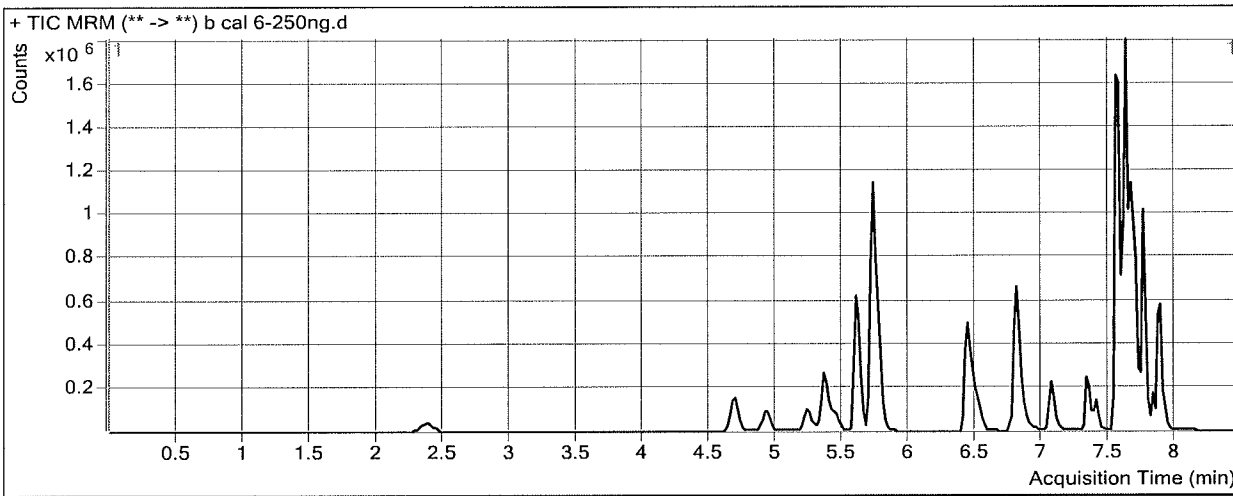
Multi-Drug Confirmatory Analysis Report

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Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 15:32 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.389	187982	31103	6.0438	249.3493
Dihydrocodeine	Dihydrocodeine-D6	4.693	398188	81434	4.8897	256.9640
Naloxone	Naloxone-D5	4.932	278461	75464	3.6900	245.8105
Noroxycodone	Noroxycodone-D3	5.237	266817	46047	5.7945	253.9018
Naltrexone	Naltrexone-D3	5.351	512750	94762	5.4109	244.9035
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.464	147121	253793	0.5797	25.2401
Naltrexol	Naltrexol-D3	5.590	1487653	231530	6.4253	258.7915
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.737	3317950	644745	5.1461	249.1604
Ketamine	Ketamine-D4	6.439	1208513	197762	6.1109	248.6934
Norfentanyl	Norfentanyl-D5	6.503	170845	344595	0.4958	24.1310
alpha-PVP	alpha-PVP-d8	6.808	1762678	281587	6.2598	250.0601
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.062	202105	393221	0.5140	24.9971
Norbuprenorphine	Norbuprenorphine-D3	7.314	4193	7452	0.5626	25.6765
Fentanyl	Fentanyl-D5	7.338	198575	369591	0.5373	25.3701
EDDP	EDDP-D3	7.408	238026	43017	5.5333	245.7664
Sufentanil	Sufentanil-D5	7.538	140005	250608	0.5587	24.9055
Quetiapine	Quetiapine-D8	7.559	2833212	148167	19.1217	244.8615
Buprenorphine	Buprenorphine-D4	7.635	37724	66540	0.5669	24.4722
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	847835	141185	6.0052	257.0541
Methadone	Methadone-D9	7.622	1573690	371083	4.2408	242.2281
Fluoxetine	Fluoxetine-D6	7.664	1814416	351913	5.1559	246.5431
Oxazepam	Oxazepam-D5	7.709	113056	21123	5.3522	247.9968
Temazepam	Temazepam-D5	7.747	722032	139193	5.1873	249.8271

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

P1 b cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	467815	102794	4.5510	228.4037
Nordiazepam	Nordiazepam-D5	7.835	195931	23982	8.1699	251.1034
Diazepam	Diazepam-D5	7.890	864197	134663	6.4175	245.1529



ISP FORENSICS - Cd'A Instrument # 62340

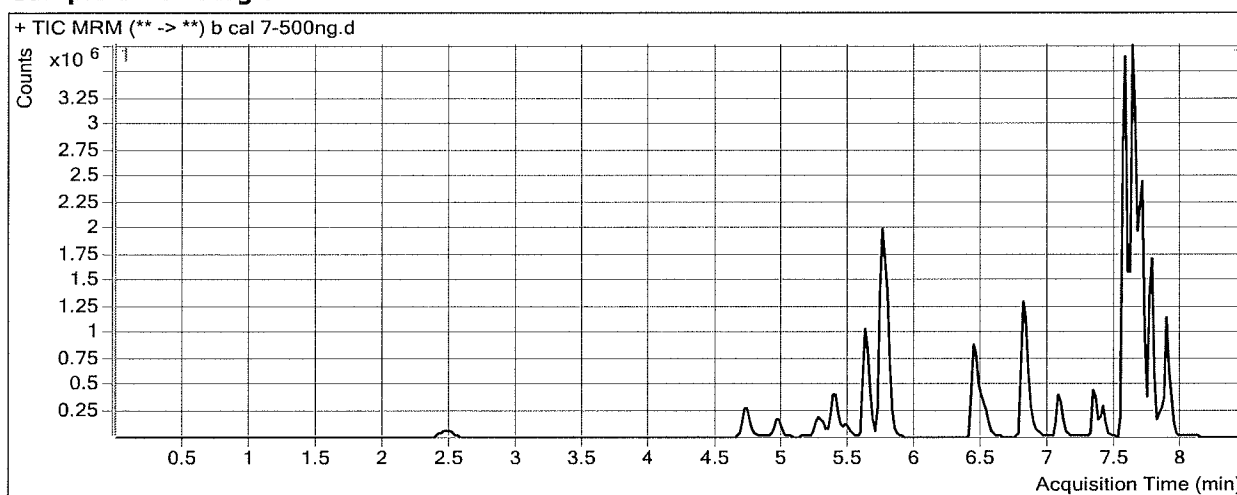
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\82217 conf\QuantResults\82217 mdq p1b.batch.bin
Analysis Time 8/23/2017 10:55 AM **Analyst Name** anord
Report Time 8/23/2017 1:33 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 10:55 AM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 13:00 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-G1 **Sample Info**
Inj Vol -l **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.489	372101	30363	12.2552	504.6602
Dihydrocodeine	Dihydrocodeine-D6	4.713	769145	76719	10.0255	526.8647
Naloxone	Naloxone-D5	4.952	531028	69977	7.5886	504.0463
Noroxycodone	Noroxycodone-D3	5.278	499633	43257	11.5504	505.7962
Naltrexone	Naltrexone-D3	5.371	904246	83259	10.8607	490.1428
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.484	289988	238505	1.2159	52.8784
Naltrexol	Naltrexol-D3	5.611	2654398	211036	12.5779	506.7308
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.757	6384530	616510	10.3559	501.1184
Ketamine	Ketamine-D4	6.439	2373628	187257	12.6758	515.7748
Norfentanyl	Norfentanyl-D5	6.523	360625	353183	1.0211	49.5383
alpha-PVP	alpha-PVP-d8	6.808	3759524	289886	12.9690	517.6513
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.084	528751	509156	1.0385	50.4232
Norbuprenorphine	Norbuprenorphine-D3	7.314	9459	9367	1.0097	45.7043
Fentanyl	Fentanyl-D5	7.338	493769	444097	1.1119	52.4089
EDDP	EDDP-D3	7.408	548016	48518	11.2951	500.3854
Sufentanil	Sufentanil-D5	7.538	375457	327773	1.1455	51.1094
Quetiapine	Quetiapine-D8	7.559	6007543	156045	38.4988	492.8907
Buprenorphine	Buprenorphine-D4	7.635	91656	75371	1.2161	52.5763
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	2018257	168853	11.9527	511.5072
Methadone	Methadone-D9	7.643	4159717	477549	8.7106	497.5315
Fluoxetine	Fluoxetine-D6	7.684	4439667	416129	10.6690	510.5407
Oxazepam	Oxazepam-D5	7.729	235704	21205	11.1157	515.7570
Temazepam	Temazepam-D5	7.767	1300063	124848	10.4132	500.1254

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

Pl b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.766	1239619	123454	10.0411	503.1345
Nordiazepam	Nordiazepam-D5	7.855	344477	19471	17.6916	543.0993
Diazepam	Diazepam-D5	7.890	1548700	122113	12.6825	483.9994

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

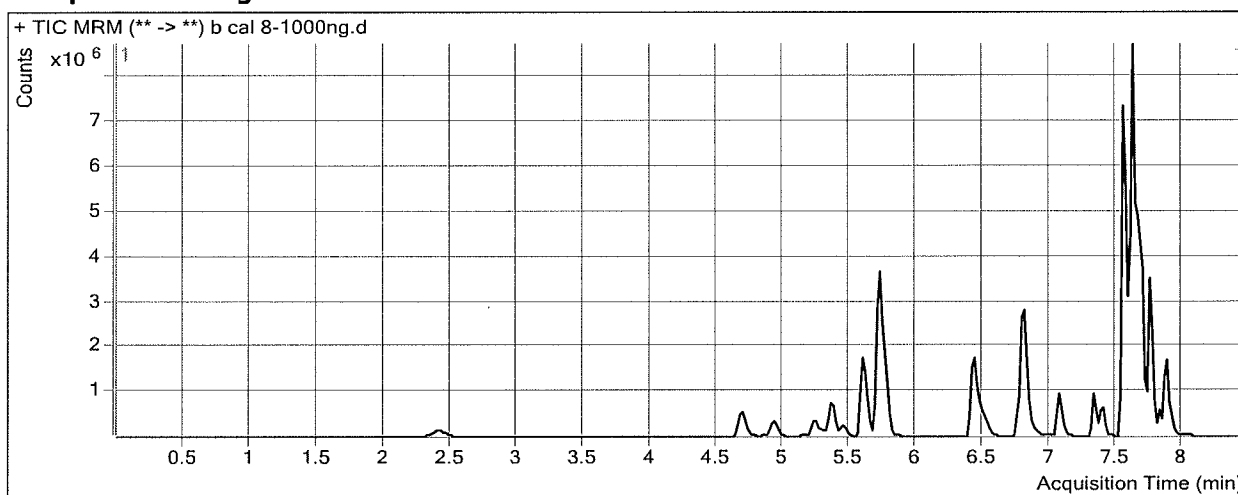
p1 b cal 8

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Report Time	8/23/2017 1:33 PM	Reporter Name	ISP Tox
Last Calib Update	8/23/2017 10:55 AM	Batch State	Processed

Analysis Info

Acq Time	2017-08-22 12:22	Data File	b cal 8-1000ng.d
Sample Type	Calibration	Sample Name	b cal 8-1000ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.409	767548	31550	24.3282	1000.9091
Dihydrocodeine	Dihydrocodeine-D6	4.693	1500362	81755	18.3519	964.4465
Naloxone	Naloxone-D5	4.932	1073537	71024	15.1151	1002.5884
Noroxycodone	Noroxycodone-D3	5.237	997497	44006	22.6671	992.2904
Naltrexone	Naltrexone-D3	5.351	1622345	71783	22.6007	1018.4426
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.464	611536	236050	2.5907	112.6086
Naltrexol	Naltrexol-D3	5.590	4800477	197527	24.3029	979.2238
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.737	12688429	613515	20.6815	1000.4907
Ketamine	Ketamine-D4	6.439	4910867	200778	24.4592	995.1651
Norfentanyl	Norfentanyl-D5	6.503	832540	394699	2.1093	102.1748
alpha-PVP	alpha-PVP-d8	6.808	8262578	335061	24.6599	983.9374
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.062	1370960	663435	2.0665	100.2545
Norbuprenorphine	Norbuprenorphine-D3	7.314	19150	8135	2.3540	105.9162
Fentanyl	Fentanyl-D5	7.318	1068962	514320	2.0784	97.8942
EDDP	EDDP-D3	7.408	1322971	58009	22.8063	1009.0831
Sufentanil	Sufentanil-D5	7.538	930021	416653	2.2321	99.6329
Quetiapine	Quetiapine-D8	7.539	12052843	152332	79.1220	1012.8739
Buprenorphine	Buprenorphine-D4	7.635	151840	65606	2.3144	100.1322
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	4056454	176783	22.9459	981.8231
Methadone	Methadone-D9	7.622	9000411	521892	17.2457	985.0417
Fluoxetine	Fluoxetine-D6	7.664	8944497	430653	20.7696	994.2154
Oxazepam	Oxazepam-D5	7.709	442808	18562	23.8562	1107.6465
Temazepam	Temazepam-D5	7.747	2317045	110425	20.9829	1006.3725

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

pl b cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Sertraline	Sertraline-D3	7.746	2490741	121403	20.5162	1027.3186
Nordiazepam	Nordiazepam-D5	7.835	641615	20416	31.4274	964.3238
Diazepam	Diazepam-D5	7.890	2783903	104230	26.7094	1018.7546



Morphine only batch

ISP Forensics Calibration Curve Report

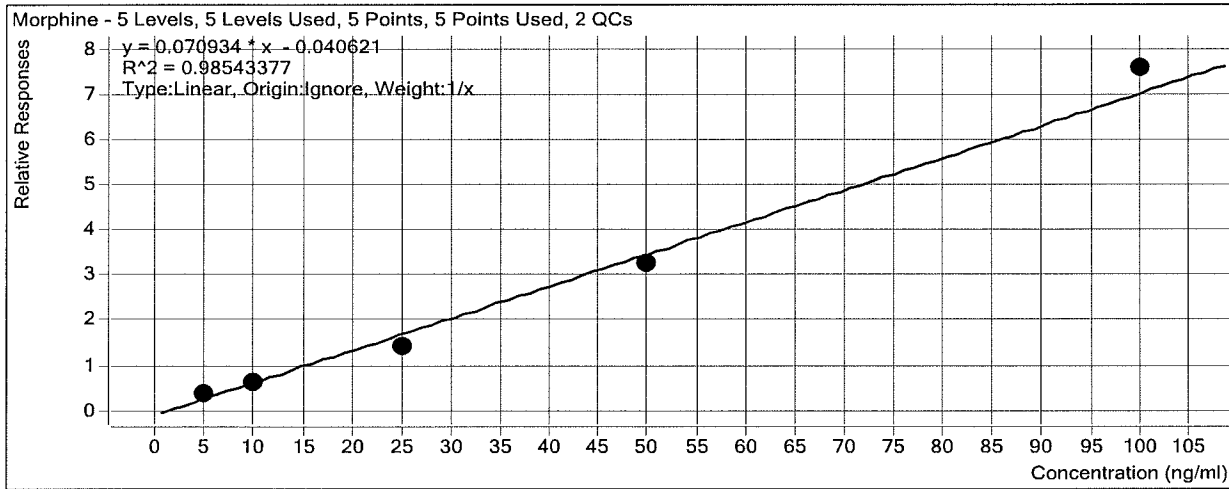


Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin

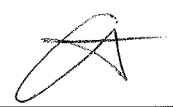
Last Calib Update 8/23/2017 4:39 PM

Analyst Name ISP TOX

Target Compound Morphine
Internal Standard Morphine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5 ng	1	<input checked="" type="checkbox"/>	5	6.2	124.8
a cal 2-10mng	2	<input checked="" type="checkbox"/>	10	9.1	91.5
a QC 10	2	<input type="checkbox"/>	10	10.2	101.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	20.8	83.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.7	93.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.1	107.1
a qc 100	5	<input checked="" type="checkbox"/>	100	103.8	103.8



morphine only

ISP FORENSICS - Cd'A Instrument # 62340

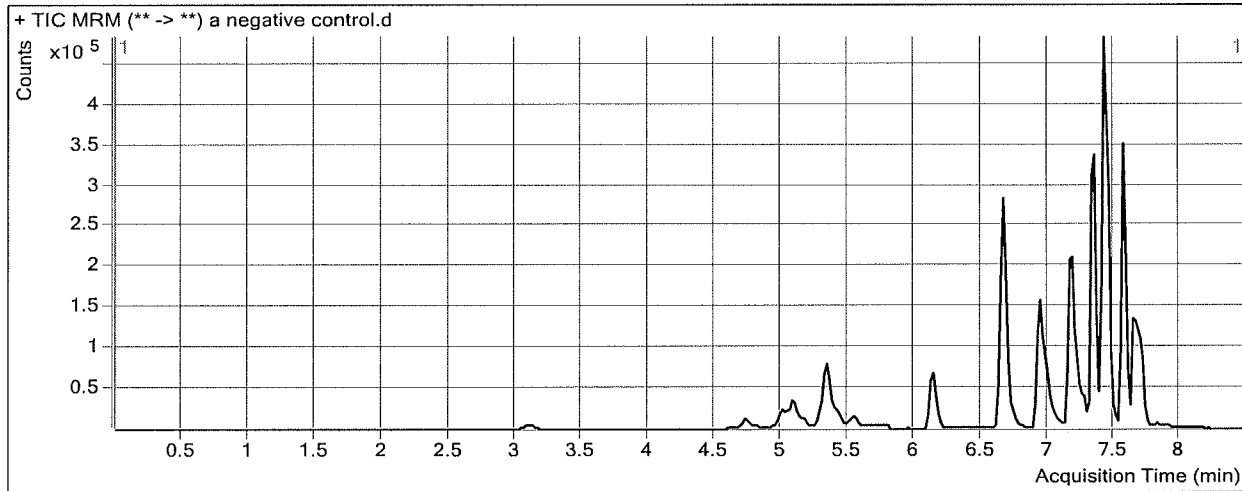
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:43 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 15:45 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-G2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



morphine only

ISP FORENSICS - Cd'A Instrument # 62340

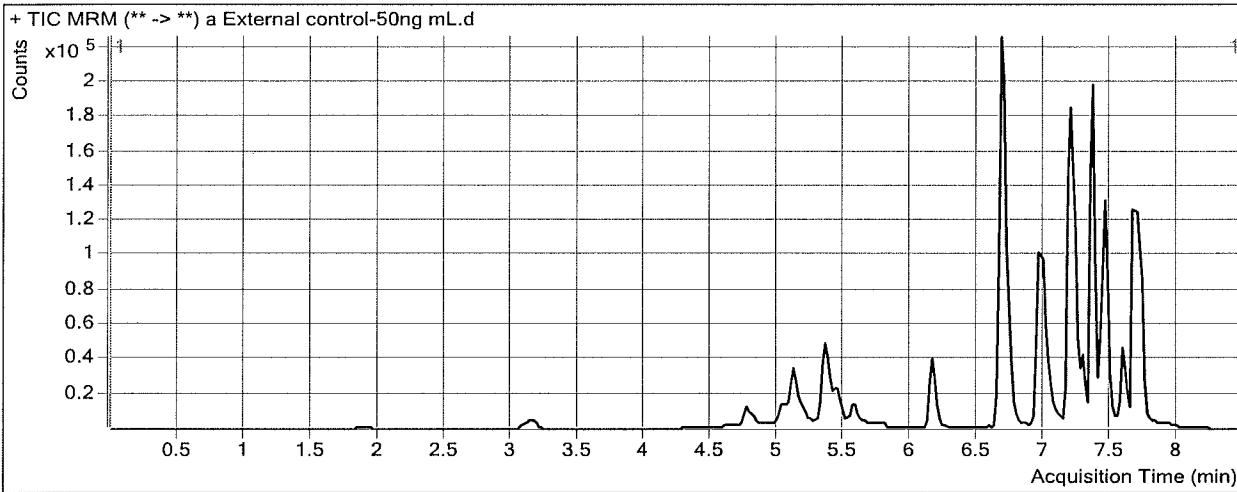
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:44 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-22 16:10 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; lot 21717

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	8025	3000	2.6746	38.2788
Methamphetamine	Methamphetamine-D11	5.461	18428	113946	0.1617	4.8598
Dextromethorphan	Dextromethorphan-D3	7.448	13176	19360	0.6806	35.0645
Lorazepam	Alprazolam-D5	7.722	14220	187037	0.0760	45.9824

Morphine only

ISP FORENSICS - Cd'A Instrument # 62340

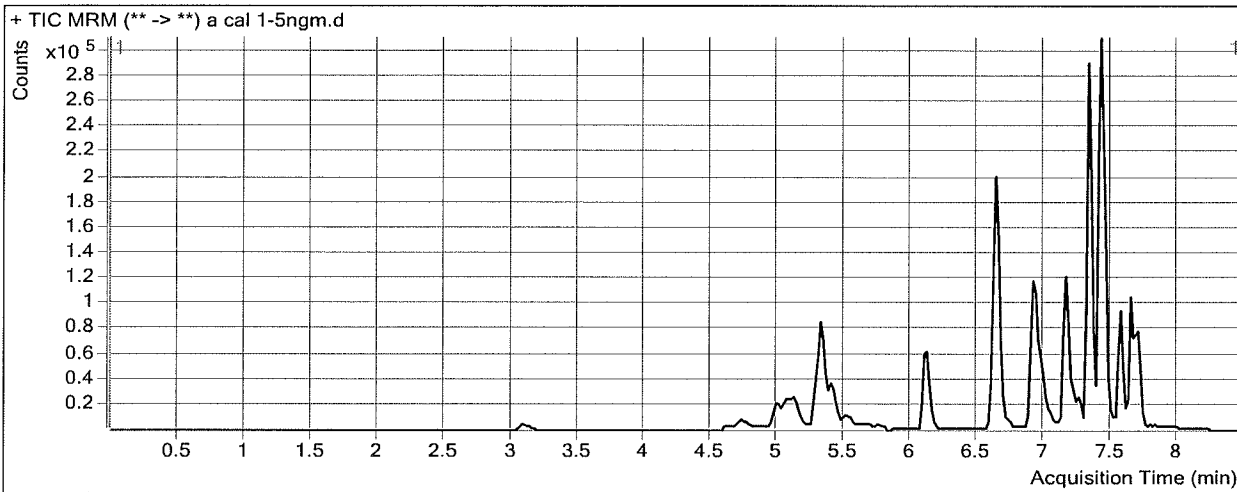
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:44 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-23 14:45 **Data File** a cal 1-5ngm.d
Sample Type Calibration **Sample Name** a cal 1-5 ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.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	1.888	671	1669	0.4020	6.2399
Hydromorphone	Hydromorphone-D6	3.130	2962	21106	0.1404	4.9529
Oxycodone	Oxycodone-D6	5.110	8426	73466	0.1147	5.2042
Amphetamine	Amphetamine-D11	5.145	52905	77348	0.6840	5.3558
Hydrocodone	Hydrocodone-D6	5.335	6065	63090	0.0961	5.4055
Norhydrocodone	Norhydrocodone-D3	5.397	446	29427	0.0152	0.0000
Methamphetamine	Methamphetamine-D11	5.421	47235	289586	0.1631	4.9093
Phentermine	Phentermine-D5	6.166	7252	245097	0.0296	5.0900
Dextroprphan	Dextroprphan-D3	6.626	6435	112692	0.0571	4.9912
7-aminoclonazepam	7-Aminoclonazepam-D4	6.655	6551	56977	0.1150	5.2725
Tramadol	Tramadol-13C-D3	6.663	51182	545470	0.0938	4.9277
Doxylamine	Doxylamine-D5	6.943	45877	477602	0.0961	5.0744
Zolpidem	Zolpidem-D6	7.183	34566	363508	0.0951	5.0277
Trazodone	Trazodone-D6	7.335	21843	217963	0.1002	5.1384
Venlafaxine	Venlafaxine-D6	7.326	49605	459549	0.1079	4.6205
Citalopram	Citalopram-D6	7.397	27224	267100	0.1019	5.1166
Dextromethorphan	Dextromethorphan-D3	7.428	5117	50787	0.1008	5.2542
Diphenhydramine	Diphenhydramine-D3	7.432	41323	475812	0.0868	5.0713
Promethazine	Promethazine-D3	7.566	16672	210774	0.0791	5.0174
Clonazepam	Clonazepam-D4	7.582	2129	6961	0.3058	4.9071
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	1199	11134	0.1077	5.1570
Carisoprodol	Carisoprodol-D7	7.651	15167	180251	0.0841	4.9087
Alprazolam	Alprazolam-D5	7.705	12978	115761	0.1121	5.0473

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

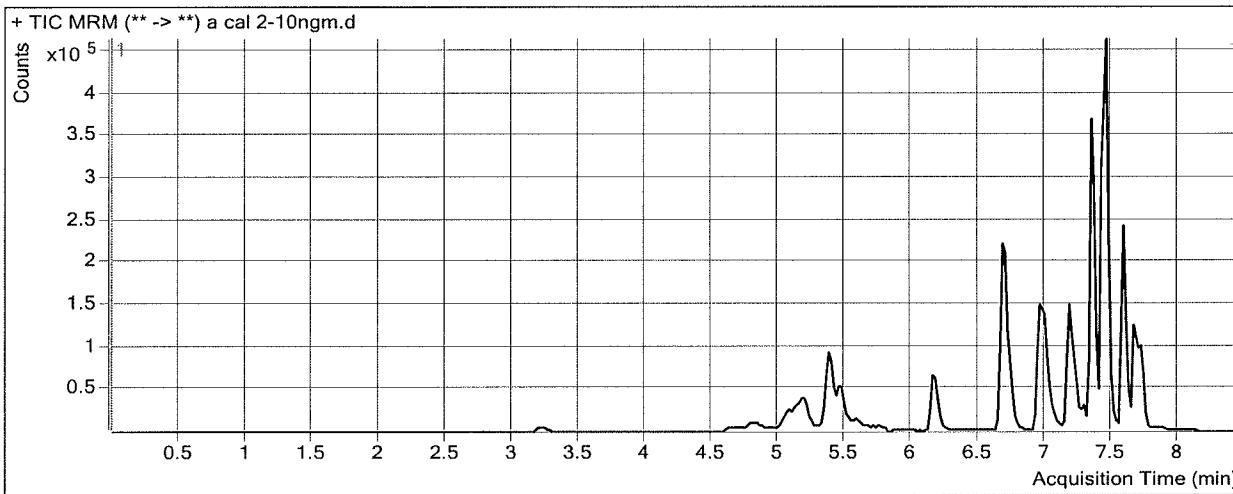
*Morphine
Only*

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:44 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-23 10:38 **Data File** a cal 2-10ngm.d
Sample Type Calibration **Sample Name** a cal 2-10mng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.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	1.948	1382	2273	0.6081	9.1454
Hydromorphone	Hydromorphone-D6	3.230	7066	23561	0.2999	10.1754
Codeine	Codeine-D6	4.853	4258	17175	0.2479	9.7699
Oxycodone	Oxycodone-D6	5.170	17020	79454	0.2142	9.1501
Hydrocodone	Hydrocodone-D6	5.375	13834	77967	0.1774	9.5117
Norhydrocodone	Norhydrocodone-D3	5.497	1132	174	6.4879	70.3305
Methamphetamine	Methamphetamine-D11	5.481	91889	294719	0.3118	10.1997
6-MAM	6-MAM-D6	5.569	678	24398	0.0278	0.9889
Phentermine	Phentermine-D5	6.206	15214	260700	0.0584	9.7516
Dextroprphan	Dextroprphan-D3	6.666	15408	125329	0.1229	10.1166
7-aminoclonazepam	7-Aminoclonazepam-D4	6.717	13911	63145	0.2203	9.6731
Tramadol	Tramadol-13C-D3	6.704	106421	552784	0.1925	10.0431
Doxylamine	Doxylamine-D5	6.984	119676	564052	0.2122	10.2722
Zolpidem	Zolpidem-D6	7.203	81030	409840	0.1977	9.8655
Meprobamate	Meprobamate-D7	7.293	7989	45437	0.1758	10.0556
Trazodone	Trazodone-D6	7.355	61668	316196	0.1950	9.3891
Venlafaxine	Venlafaxine-D6	7.346	112296	504645	0.2225	10.2662
Citalopram	Citalopram-D6	7.417	73007	354184	0.2061	9.8045
Dextromethorphan	Dextromethorphan-D3	7.428	14542	83050	0.1751	9.0762
Diphenhydramine	Diphenhydramine-D3	7.452	114646	613544	0.1869	10.0101
Promethazine	Promethazine-D3	7.587	85573	512816	0.1669	9.9787
Clonazepam	Clonazepam-D4	7.622	5959	8771	0.6794	10.4246
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	2337	10812	0.2161	10.1311

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

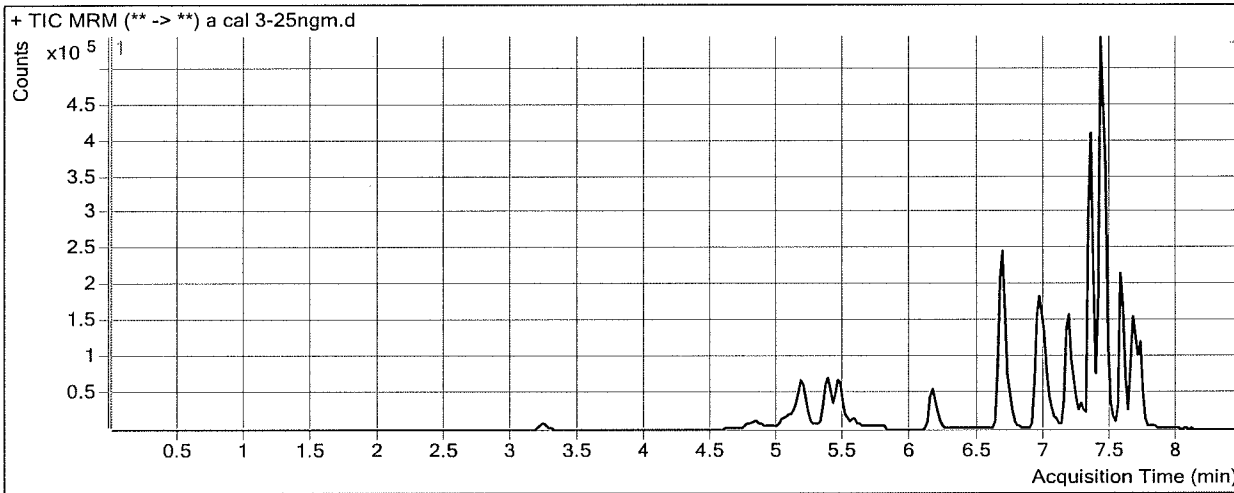
*morphine
only*

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:44 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-23 10:51 **Data File** a cal 3-25ngm.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.968	3382	2354	1.4366	20.8256
Hydromorphone	Hydromorphone-D6	3.250	16441	21620	0.7604	25.2529
Codeine	Codeine-D6	4.833	8955	13180	0.6794	26.8725
Oxycodone	Oxycodone-D6	5.150	41419	64017	0.6470	26.3096
Amphetamine	Amphetamine-D11	5.205	136377	75	1814.4613	21.1671
Hydrocodone	Hydrocodone-D6	5.375	30036	65394	0.4593	23.7468
Norhydrocodone	Norhydrocodone-D3	5.477	2673	27378	0.0976	0.0000
Methamphetamine	Methamphetamine-D11	5.461	149477	193664	0.7718	26.5705
6-MAM	6-MAM-D6	5.569	1409	20377	0.0691	2.6079
Phentermine	Phentermine-D5	6.206	30892	205957	0.1500	24.5985
Dextroprphan	Dextroprphan-D3	6.646	35065	113219	0.3097	24.6559
7-aminoclonazepam	7-Aminoclonazepam-D4	6.697	29908	51255	0.5835	24.8470
Tramadol	Tramadol-13C-D3	6.684	232912	480089	0.4851	25.2113
Doxylamine	Doxylamine-D5	6.963	254242	492825	0.5159	23.8674
Zolpidem	Zolpidem-D6	7.183	177098	337521	0.5247	25.2804
Bupropion	Bupropion-D9	7.211	6117	14680	0.4167	24.9119
Meprobamate	Meprobamate-D7	7.293	18254	39696	0.4599	24.9140
Trazodone	Trazodone-D6	7.335	132416	240163	0.5514	25.3632
Venlafaxine	Venlafaxine-D6	7.346	252934	469105	0.5392	25.8685
Citalopram	Citalopram-D6	7.417	162524	312315	0.5204	23.9422
Dextromethorphan	Dextromethorphan-D3	7.428	31135	66842	0.4658	24.0208
Diphenhydramine	Diphenhydramine-D3	7.432	235688	528159	0.4462	22.8189
Promethazine	Promethazine-D3	7.566	154516	363252	0.4254	24.5904

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

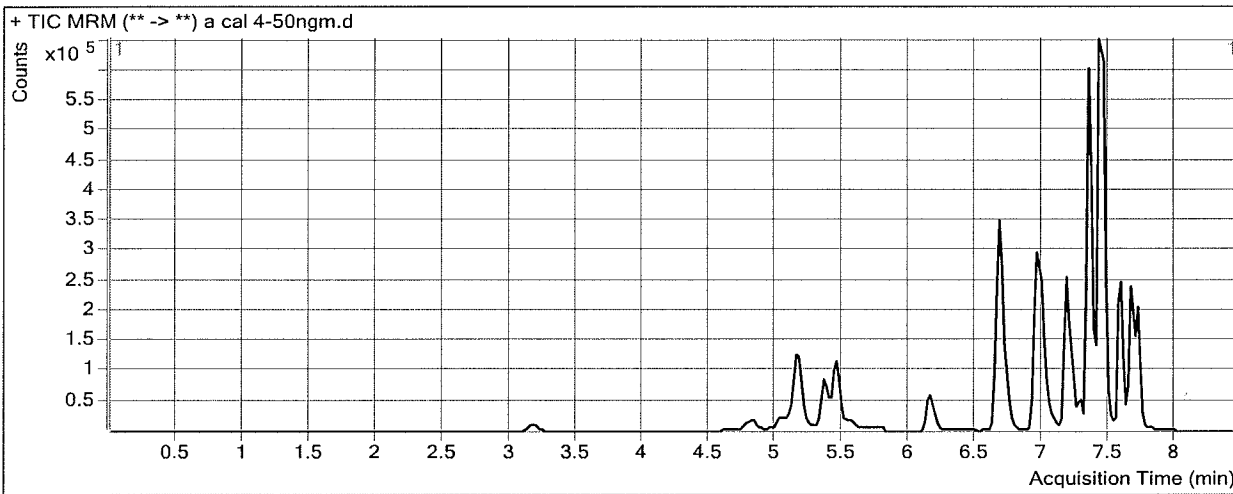
morphine only

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:44 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-23 11:04 **Data File** a cal 4-50ngm.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	6404	1959	3.2689	46.6568
Hydromorphone	Hydromorphone-D6	3.170	32544	21669	1.5019	49.5272
Codeine	Codeine-D6	4.813	18400	14830	1.2408	49.1191
Oxycodone	Oxycodone-D6	5.150	86188	71047	1.2131	48.7556
Amphetamine	Amphetamine-D11	5.185	270643	61760	4.3822	5.3881
Hydrocodone	Hydrocodone-D6	5.375	65001	65787	0.9881	50.4491
Norhydrocodone	Norhydrocodone-D3	5.457	5246	28217	0.1859	0.0000
Methamphetamine	Methamphetamine-D11	5.461	272455	194982	1.3973	48.8284
6-MAM	6-MAM-D6	5.569	2736	21627	0.1265	4.8536
Phentermine	Phentermine-D5	6.206	64845	204273	0.3174	51.7299
Dextrophan	Dextrophan-D3	6.666	71356	115868	0.6158	48.4866
7-aminoclonazepam	7-Aminoclonazepam-D4	6.697	64078	56057	1.1431	48.2238
Tramadol	Tramadol-13C-D3	6.704	494343	509555	0.9701	50.3516
Doxylamine	Doxylamine-D5	6.963	515647	473386	1.0893	49.5339
Zolpidem	Zolpidem-D6	7.183	374847	358444	1.0458	49.8442
Bupropion	Bupropion-D9	7.211	11062	14170	0.7806	50.5286
Meprobamate	Meprobamate-D7	7.293	39703	42473	0.9348	49.7574
Trazodone	Trazodone-D6	7.355	262233	243042	1.0790	49.0155
Venlafaxine	Venlafaxine-D6	7.346	516941	481423	1.0738	52.2089
Citalopram	Citalopram-D6	7.417	335943	287968	1.1666	53.0137
Dextromethorphan	Dextromethorphan-D3	7.428	61159	64065	0.9546	49.1518
Diphenhydramine	Diphenhydramine-D3	7.452	464483	474886	0.9781	49.0825
Promethazine	Promethazine-D3	7.587	293295	334473	0.8769	50.1127

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

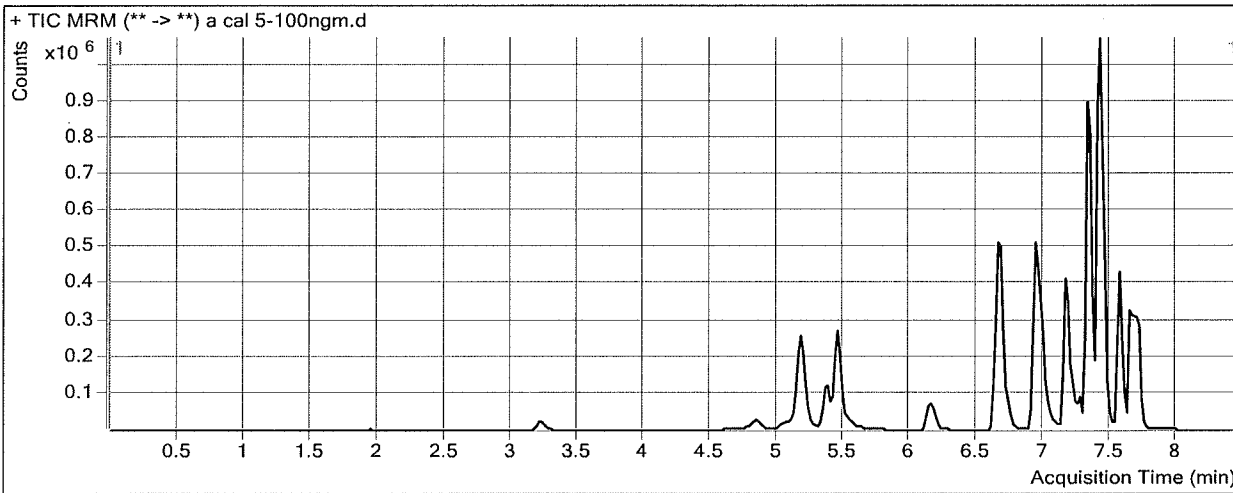
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only*

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:44 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-23 11:16 **Data File** a cal 5-100ngm.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.948	14447	1911	7.5587	107.1323
Hydromorphone	Hydromorphone-D6	3.230	70503	23371	3.0167	99.1204
Codeine	Codeine-D6	4.833	35209	14441	2.4381	96.5727
Oxycodone	Oxycodone-D6	5.150	178941	68022	2.6307	104.9598
Amphetamine	Amphetamine-D11	5.185	530951	24	22035.3117	197.4386
Hydrocodone	Hydrocodone-D6	5.375	135141	68019	1.9868	100.8868
Norhydrocodone	Norhydrocodone-D3	5.457	10293	28734	0.3582	0.0000
Methamphetamine	Methamphetamine-D11	5.461	647241	237996	2.7196	95.8788
6-MAM	6-MAM-D6	5.569	5493	21355	0.2572	9.9726
Phentermine	Phentermine-D5	6.186	138554	227831	0.6081	98.8300
Dextroprphan	Dextroprphan-D3	6.646	150547	113929	1.3214	103.4128
7-aminoclonazepam	7-Aminoclonazepam-D4	6.677	131427	54087	2.4299	101.9836
Tramadol	Tramadol-13C-D3	6.684	998122	520488	1.9177	99.4663
Doxylamine	Doxylamine-D5	6.943	1118685	498378	2.2447	101.2521
Zolpidem	Zolpidem-D6	7.163	763110	361781	2.1093	99.9823
Bupropion	Bupropion-D9	7.191	19137	12987	1.4735	99.2952
Meprobamate	Meprobamate-D7	7.273	76690	40354	1.9004	100.2730
Trazodone	Trazodone-D6	7.335	562760	244435	2.3023	103.8572
Venlafaxine	Venlafaxine-D6	7.326	978057	493079	1.9836	97.0359
Citalopram	Citalopram-D6	7.397	656181	301697	2.1750	98.3779
Dextromethorphan	Dextromethorphan-D3	7.428	127890	59938	2.1337	109.7679
Diphenhydramine	Diphenhydramine-D3	7.432	959245	437592	2.1921	109.0320
Promethazine	Promethazine-D3	7.566	631392	354303	1.7821	101.2784

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

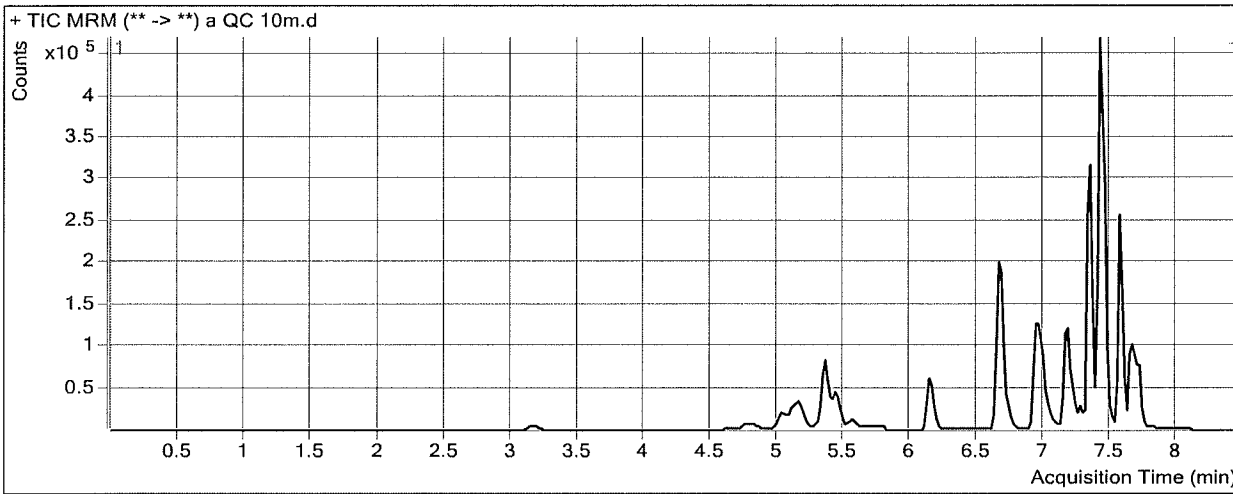
*Morphine
only*

Batch Data Path	D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin		
Analysis Time	8/23/2017 4:39 PM	Analyst Name	ISP Tox
Report Time	8/23/2017 4:44 PM	Reporter Name	ISP Tox
Last Calib Update	8/23/2017 4:39 PM	Batch State	Processed

Analysis Info

Acq Time	2017-08-23 14:32	Data File	a QC 10m.d
Sample Type	QC	Sample Name	a QC 10
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-A2	Sample Info	
Inj Vol	-1	Comment	AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	1483	2175	0.6820	10.1875
Hydromorphone	Hydromorphone-D6	3.170	6535	23160	0.2821	9.5949
Codeine	Codeine-D6	4.833	3189	13077	0.2439	9.6099
Oxycodone	Oxycodone-D6	5.130	15562	69314	0.2245	9.5581
Amphetamine	Amphetamine-D11	5.185	72745	67457	1.0784	5.3593
Hydrocodone	Hydrocodone-D6	5.355	12254	65160	0.1881	10.0477
Norhydrocodone	Norhydrocodone-D3	5.457	989	30055	0.0329	0.0000
Methamphetamine	Methamphetamine-D11	5.461	76708	251272	0.3053	9.9682
6-MAM	6-MAM-D6	5.569	558	20951	0.0266	0.9425
Phentermine	Phentermine-D5	6.186	14104	227421	0.0620	10.3447
Dextroprphan	Dextroprphan-D3	6.646	14012	114202	0.1227	10.0972
7-aminoclonazepam	7-Aminoclonazepam-D4	6.697	12379	53969	0.2294	10.0519
Tramadol	Tramadol-13C-D3	6.684	96238	504652	0.1907	9.9490
Doxylamine	Doxylamine-D5	6.963	98901	512252	0.1931	9.4171
Zolpidem	Zolpidem-D6	7.183	69773	357075	0.1954	9.7566
Meprobamate	Meprobamate-D7	7.293	6897	39973	0.1725	9.8845
Trazodone	Trazodone-D6	7.335	58103	272984	0.2128	10.1876
Venlafaxine	Venlafaxine-D6	7.346	95367	482792	0.1975	9.0347
Citalopram	Citalopram-D6	7.417	70742	362357	0.1952	9.3141
Dextromethorphan	Dextromethorphan-D3	7.428	15653	79693	0.1964	10.1720
Diphenhydramine	Diphenhydramine-D3	7.432	101715	545546	0.1864	9.9897
Promethazine	Promethazine-D3	7.566	86891	504539	0.1722	10.2810
Clonazepam	Clonazepam-D4	7.602	4436	7302	0.6075	9.3618

[Signature]

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

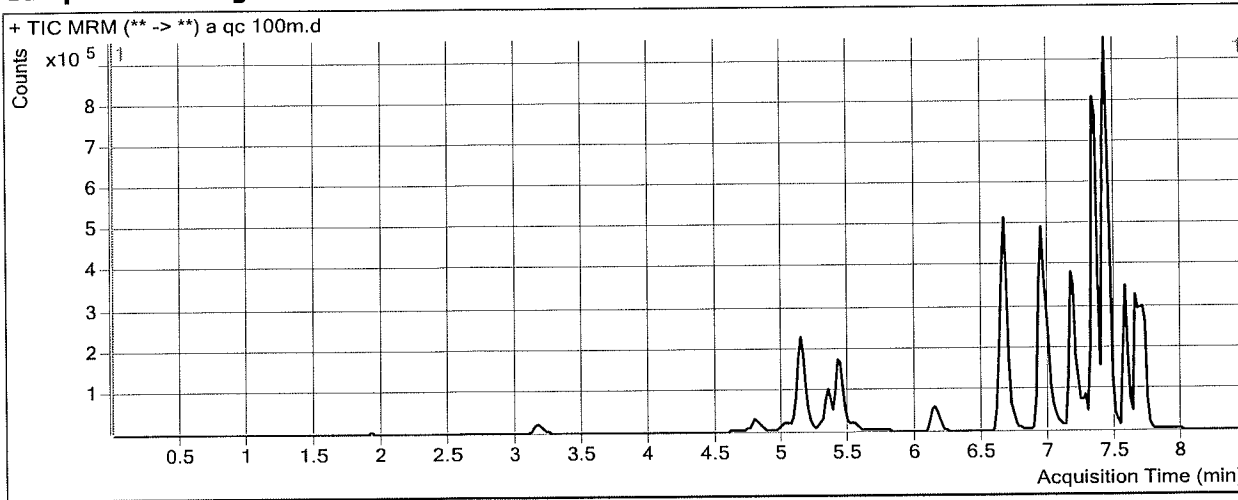
Morphine only

Batch Data Path D:\2017 Data\82217mdq p1\QuantResults\82217 morphine hydromorphone rerun.batch.bin
Analysis Time 8/23/2017 4:39 PM **Analyst Name** ISP Tox
Report Time 8/23/2017 4:44 PM **Reporter Name** ISP Tox
Last Calib Update 8/23/2017 4:39 PM **Batch State** Processed

Analysis Info

Acq Time 2017-08-23 15:10 **Data File** a qc 100m.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.908	13451	1838	7.3203	103.7720
Hydromorphone	Hydromorphone-D6	3.170	66115	21542	3.0692	100.8384
Codeine	Codeine-D6	4.793	33343	14567	2.2889	90.6589
Oxycodone	Oxycodone-D6	5.110	170701	68571	2.4894	99.3586
Amphetamine	Amphetamine-D11	5.145	487011	59944	8.1244	5.4207
Hydrocodone	Hydrocodone-D6	5.335	127117	67743	1.8765	95.3157
Norhydrocodone	Norhydrocodone-D3	5.437	9850	27577	0.3572	0.0000
Methamphetamine	Methamphetamine-D11	5.421	410825	155317	2.6451	93.2288
6-MAM	6-MAM-D6	5.529	4588	21285	0.2156	8.3418
Phentermine	Phentermine-D5	6.166	114865	186985	0.6143	99.8281
Dextroprphan	Dextroprphan-D3	6.626	135996	107196	1.2687	99.3065
7-aminoclonazepam	7-Aminoclonazepam-D4	6.677	122915	52941	2.3217	97.4637
Tramadol	Tramadol-13C-D3	6.663	971879	513041	1.8944	98.2578
Doxylamine	Doxylamine-D5	6.943	968130	474063	2.0422	92.1895
Zolpidem	Zolpidem-D6	7.163	726298	350030	2.0750	98.3627
Bupropion	Bupropion-D9	7.191	24964	14452	1.7274	117.1619
Meprobamate	Meprobamate-D7	7.273	77245	40198	1.9216	101.3802
Trazodone	Trazodone-D6	7.335	467683	214279	2.1826	98.4909
Venlafaxine	Venlafaxine-D6	7.326	969020	456520	2.1226	103.8873
Citalopram	Citalopram-D6	7.397	566406	274026	2.0670	93.5198
Dextromethorphan	Dextromethorphan-D3	7.428	108634	52737	2.0599	105.9736
Diphenhydramine	Diphenhydramine-D3	7.432	808140	412431	1.9595	97.5439
Promethazine	Promethazine-D3	7.566	488886	280310	1.7441	99.1317