

reviewed 9/27/17

B. Wylee

9/26/2017

Worklist: 1916

<u>LAB CASE</u>	<u>ITEM</u>	<u>TASK ID</u>	<u>DESCRIPTION</u>	
C2017-1832	1	96045	AM 28 Blood Multi-Drug Quant	
C2017-1848	1	96046	AM 28 Blood Multi-Drug Quant	
C2017-1857	1	96047	AM 28 Blood Multi-Drug Quant	
C2017-1868	1	96048	AM 28 Blood Multi-Drug Quant	
C2017-1880	1	96049	AM 28 Blood Multi-Drug Quant	
C2017-1897	1	96050	AM 28 Blood Multi-Drug Quant	
C2017-1911	1	96051	AM 28 Blood Multi-Drug Quant	
C2017-1919	1	96052	AM 28 Blood Multi-Drug Quant	
C2017-1923	1	96053	AM 28 Blood Multi-Drug Quant	
C2017-1933	1	96054	AM 28 Blood Multi-Drug Quant	
C2017-1934	1	96055	AM 28 Blood Multi-Drug Quant	
M2017-2498	1	96056	AM 28 Blood Multi-Drug Quant	
M2017-2498	2	96057	AM 28 Blood Multi-Drug Quant	
M2017-4102	1	96058	AM 28 Blood Multi-Drug Quant	
M2017-4120	21	96059	AM 28 Blood Multi-Drug Quant	
M2017-4135	2	96060	AM 28 Blood Multi-Drug Quant	



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

Extraction Date: 9-26-2017
Plate lot#: 0507680

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

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

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

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

Pre-Analytic:

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

Analytic:

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

Post-Analytic

- 1. Create batch and process data.
Worklist path: 92617 mda Batch Name: 92617 mda plb
- 2. Make necessary changes to integration limits
- 3. Integration linear and r^2 values ≥ 0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5%, S/N for primary and secondary transitions > 10 .
- 5. Did all QCs pass for each analyte? Y/N _____
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports

COMMENTS: curve limited Diazepam 10-1000 Amphetamine 5-500
Naloxone 5-100 Zolpidem 10-1000
norfentanyl 1-100
Oxazepam 10-1000
buprenorphine 1-100
Fluoxetine - not evaluated poor peak shapes
Alpha hydroxy alprazolam not evaluated - multiple flat top peaks.

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 21717/8 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 2/17/17/8 by AMN Concentration 50 ng/ml each

ISP FORENSICS - Cd'A Instrument # 62340

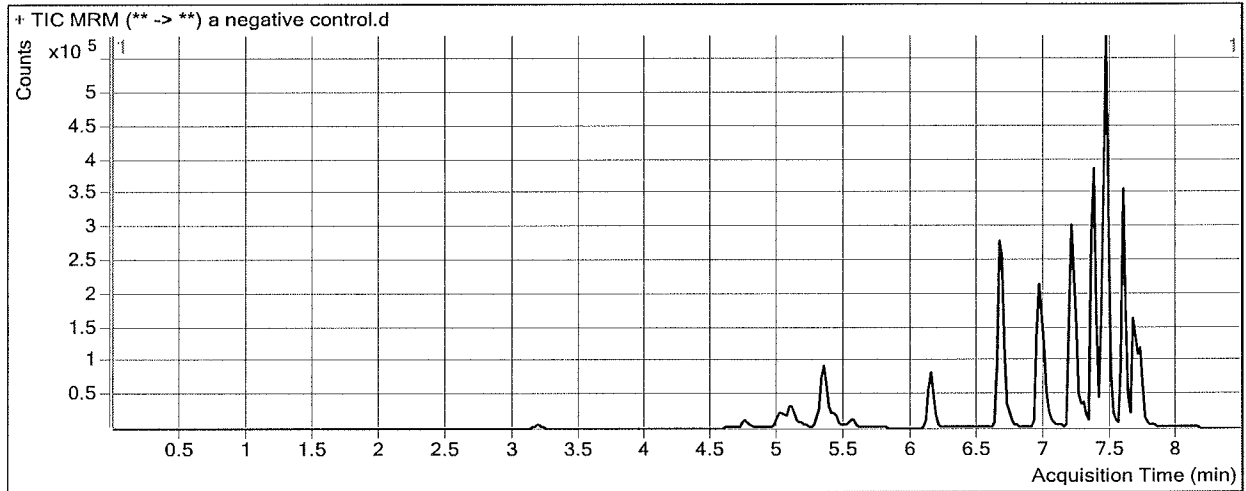
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin
Analysis Time 9/27/2017 9:54 AM **Analyst Name** anord
Report Time 9/27/2017 10:01 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 15:34 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

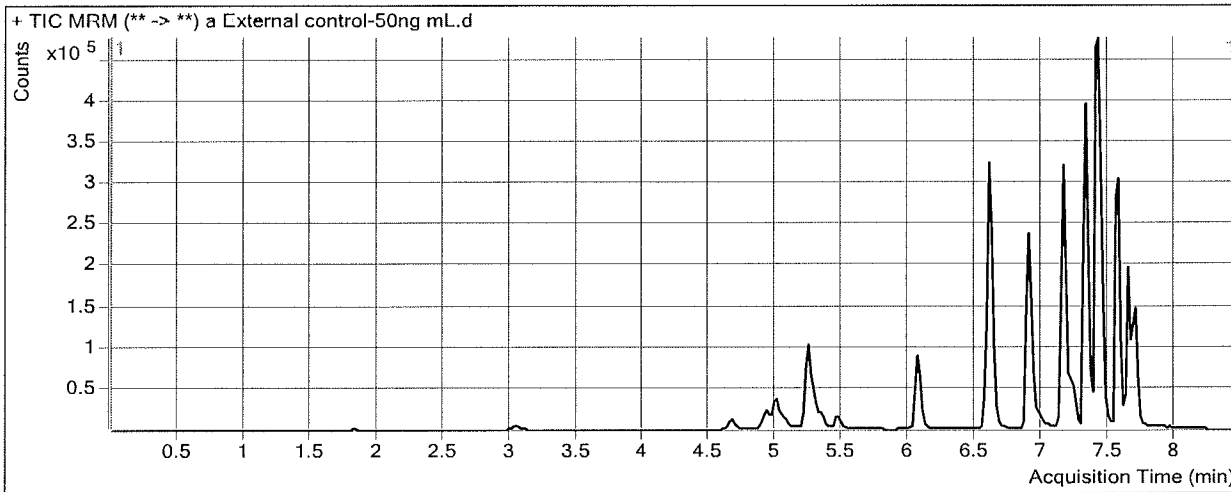
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin
Analysis Time 9/27/2017 9:54 AM **Analyst Name** anord
Report Time 9/27/2017 10:01 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 16:00 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; lot 21718 50 ng morphine, dextromethorphan lorazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.848	6118	2880	2.1241	20.3671
Amphetamine	Amphetamine-D11	5.084	29650	87466	0.3390	1.4327 < 5
Dextromethorphan	Dextromethorphan-D3	7.408	60452	103241	0.5855	28.7108
Lorazepam	Alprazolam-D5	7.681	17078	226713	0.0753	25.9578

ISP FORENSICS - Cd'A Instrument # 62340

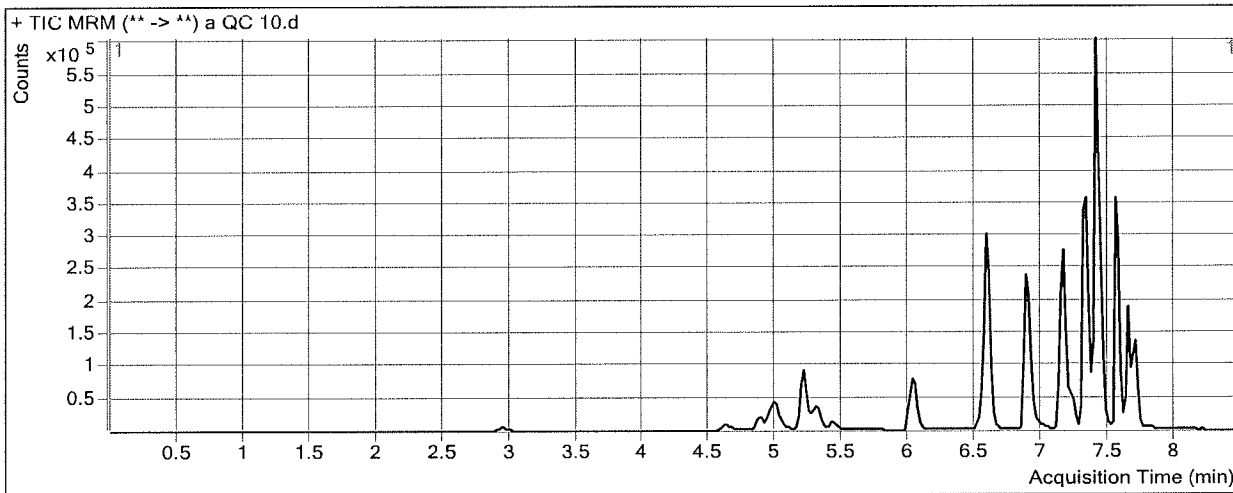
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 16:25	Data File	a QC 10.d
Sample Type	QC	Sample Name	a QC 10
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-A2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.788	1432	1632	0.8777	8.3879
Hydromorphone	Hydromorphone-D6	2.969	7210	26714	0.2699	9.5813
Codeine	Codeine-D6	4.673	3857	18746	0.2058	8.8133
Oxycodone	Oxycodone-D6	4.990	21205	92428	0.2294	9.7704
Amphetamine	Amphetamine-D11	5.024	83271	81848	1.0174	10.6040
Hydrocodone	Hydrocodone-D6	5.235	16290	90755	0.1795	9.7688
Methamphetamine	Methamphetamine-D11	5.322	66340	228206	0.2907	10.2667
Norhydrocodone	Norhydrocodone-D3	5.318	1112	32130	0.0346	9.0707 <i>ASW follow</i>
6-MAM	6-MAM-D6	5.428	626	29248	0.0214	0.8598
Phentermine	Phentermine-D5	6.066	15433	270456	0.0571	9.9849
Dextroprphan	Dextroprphan-D3	6.543	15106	136061	0.1110	9.2230
Tramadol	Tramadol-13C-D3	6.600	131723	680213	0.1936	9.8975
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	18690	87603	0.2133	9.7437
Doxylamine	Doxylamine-D5	6.902	118770	641844	0.1850	10.0379
Bupropion	Bupropion-D9	7.151	39910	210915	0.1892	9.7467
Zolpidem	Zolpidem-D6	7.183	95546	523410	0.1825	8.8224
Meprobamate	Meprobamate-D7	7.233	10141	62931	0.1611	9.6728
Venlafaxine	Venlafaxine-D6	7.305	121799	579469	0.2102	9.2636
Trazodone	Trazodone-D6	7.335	80940	363790	0.2225	9.9046
Citalopram	Citalopram-D6	7.397	87618	380727	0.2301	10.7635
Dextromethorphan	Dextromethorphan-D3	7.408	17345	91775	0.1890	9.6977
Diphenhydramine	Diphenhydramine-D3	7.411	128006	691059	0.1852	9.7145
Promethazine	Promethazine-D3	7.546	121993	729367	0.1673	10.1832

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

a Qc10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	12484	17139	0.7284	10.1044
Carisoprodol	Carisoprodol-D7	7.651	41541	241930	0.1717	9.4879
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	3841	18057	0.2127	13.9524 <i>not evaluated</i>
Lorazepam	Alprazolam-D5	7.681	3683	164689	0.0224	7.5482
Alprazolam	Alprazolam-D5	7.684	41906	164689	0.2545	10.0516

ISP FORENSICS - Cd'A Instrument # 62340

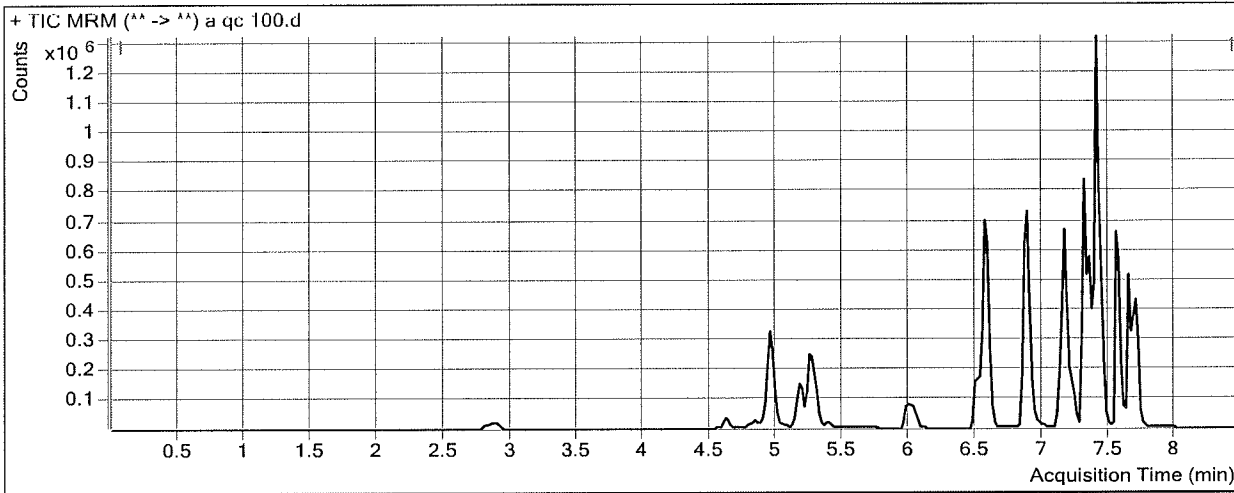
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 19:48	Data File	a qc 100.d
Sample Type	QC	Sample Name	a qc 100
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-B2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.728	15850	1551	10.2174	98.1544
Hydromorphone	Hydromorphone-D6	2.869	79207	29034	2.7280	93.8628
Codeine	Codeine-D6	4.612	40613	17054	2.3814	94.0001
Oxycodone	Oxycodone-D6	4.950	220187	90234	2.4402	95.1232
Amphetamine	Amphetamine-D11	4.964	633570	86945	7.2870	95.3645
Hydrocodone	Hydrocodone-D6	5.194	163696	91042	1.7980	94.9902
Methamphetamine	Methamphetamine-D11	5.281	674065	269665	2.4996	93.4561
Norhydrocodone	Norhydrocodone-D3	5.278	11074	29086	0.3807	93.4228
6-MAM	6-MAM-D6	5.388	6829	28278	0.2415	9.7611
Phentermine	Phentermine-D5	6.046	152745	271013	0.5636	97.8559
Dextroprphan	Dextroprphan-D3	6.504	146548	125772	1.1652	91.9491
Tramadol	Tramadol-13C-D3	6.580	1255212	687638	1.8254	94.9179
7-aminoclonazepam	7-Aminoclonazepam-D4	6.574	171995	80876	2.1266	86.4908
Doxylamine	Doxylamine-D5	6.883	1145688	623214	1.8384	91.3026
Bupropion	Bupropion-D9	7.131	237238	134151	1.7684	89.4736
Zolpidem	Zolpidem-D6	7.163	927777	475454	1.9513	96.5702
Meprobamate	Meprobamate-D7	7.233	97043	56107	1.7296	92.7174
Venlafaxine	Venlafaxine-D6	7.305	1162148	553891	2.0982	96.1520
Trazodone	Trazodone-D6	7.335	655736	284216	2.3072	101.5369
Citalopram	Citalopram-D6	7.397	672359	327471	2.0532	94.6854
Dextromethorphan	Dextromethorphan-D3	7.408	132606	66555	1.9924	96.1655
Diphenhydramine	Diphenhydramine-D3	7.411	938524	542276	1.7307	90.2868
Promethazine	Promethazine-D3	7.546	921835	558242	1.6513	95.4051

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

a qc 100

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	102335	14450	7.0821	93.4036
Carisoprodol	Carisoprodol-D7	7.651	390535	226056	1.7276	90.7496
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	36326	17166	2.1161	102.8900
Lorazepam	Alprazolam-D5	7.681	37967	141613	0.2681	92.9597
Alprazolam	Alprazolam-D5	7.684	345915	141613	2.4427	93.3177

not evaluated

ISP FORENSICS - Cd'A Instrument # 62340

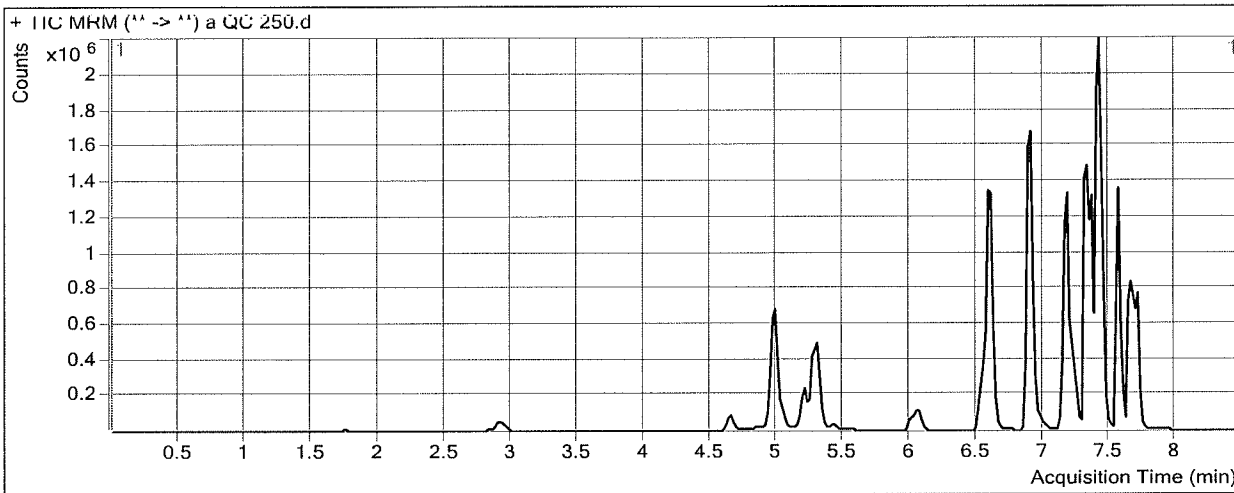
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 22:45	Data File	a QC 250.d
Sample Type	QC	Sample Name	a QC 250
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-C2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.748	37661	1457	25.8434	248.3404
Hydromorphone	Hydromorphone-D6	2.909	188305	25688	7.3305	251.6655
Codeine	Codeine-D6	4.653	103385	17387	5.9462	233.5781
Oxycodone	Oxycodone-D6	4.970	585848	95969	6.1046	236.5971
Amphetamine	Amphetamine-D11	5.004	1336754	78958	16.9299	225.7281
Hydrocodone	Hydrocodone-D6	5.215	417130	90735	4.5973	242.3784
Methamphetamine	Methamphetamine-D11	5.301	1276899	203880	6.2630	235.1856
Norhydrocodone	Norhydrocodone-D3	5.298	28997	27171	1.0672	260.7293
6-MAM	6-MAM-D6	5.428	17212	28150	0.6114	24.7250
Phentermine	Phentermine-D5	6.066	352252	243026	1.4494	251.5226
Dextroprphan	Dextroprphan-D3	6.543	368700	119669	3.0810	242.2936
Tramadol	Tramadol-13C-D3	6.600	3171094	676784	4.6855	243.9422
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	405053	70398	5.7538	231.9846
Doxylamine	Doxylamine-D5	6.902	3003075	654068	4.5914	226.6216
Bupropion	Bupropion-D9	7.151	433537	90585	4.7860	241.8134
Zolpidem	Zolpidem-D6	7.183	2372216	486980	4.8713	241.4236
Meprobamate	Meprobamate-D7	7.253	243749	55615	4.3828	233.1993
Venlafaxine	Venlafaxine-D6	7.305	3015230	554722	5.4356	249.7476
Trazodone	Trazodone-D6	7.355	1736199	287817	6.0323	265.2753
Citalopram	Citalopram-D6	7.397	1462893	281310	5.2003	239.5578
Dextromethorphan	Dextromethorphan-D3	7.408	335029	65821	5.0900	244.6852
Diphenhydramine	Diphenhydramine-D3	7.432	1989645	481654	4.1309	215.4163
Promethazine	Promethazine-D3	7.566	1853562	433338	4.2774	246.2072

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

a QCD50

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	219506	13478	16.2864	214.0742
Carisoprodol	Carisoprodol-D7	7.671	874389	205318	4.2587	222.9445
α-hydroxyalprazolam	α-hydroxyalprazolam-D5	7.640	80291	6955	11.5436	543.3825 Not evaluated
Lorazepam	Alprazolam-D5	7.681	85448	127913	0.6680	231.9541
Alprazolam	Alprazolam-D5	7.705	772046	127913	6.0357	230.0391

A

A

ISP FORENSICS - Cd'A Instrument # 62340

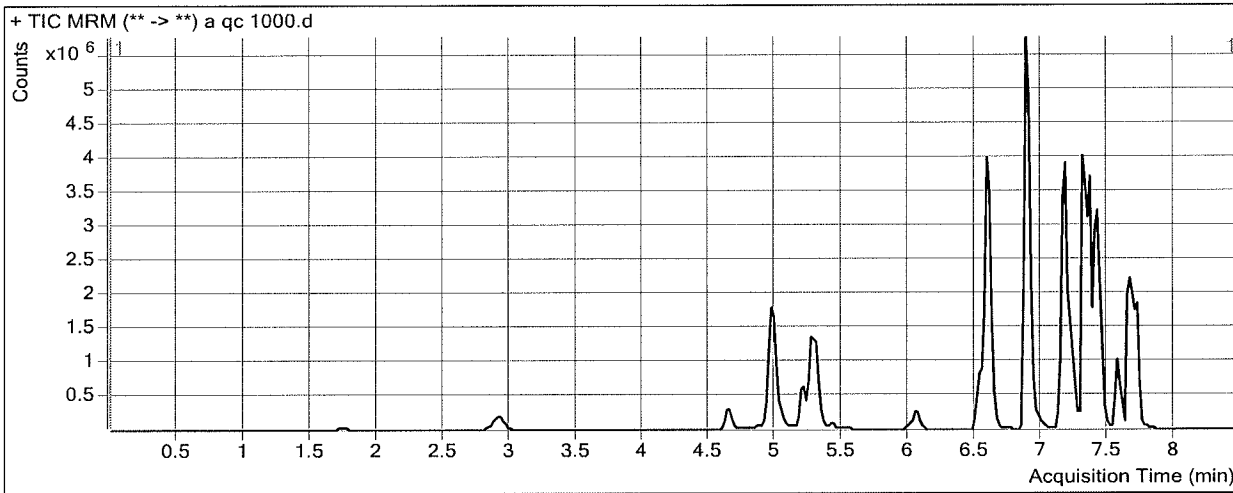
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin
Analysis Time 9/27/2017 9:54 AM **Analyst Name** anord
Report Time 9/27/2017 10:01 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 23:10 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.768	153103	1383	110.7212	1064.1270
Hydromorphone	Hydromorphone-D6	2.909	768010	24705	31.0870	1066.1950
Codeine	Codeine-D6	4.653	360333	14754	24.4236	957.0439
Oxycodone	Oxycodone-D6	4.970	2193480	85097	25.7763	996.0786
Amphetamine	Amphetamine-D11	5.004	3275741	58640	55.8614	752.0484 outside curve A
Hydrocodone	Hydrocodone-D6	5.215	1455649	81251	17.9154	943.6240
Methamphetamine	Methamphetamine-D11	5.281	3824055	153868	24.8528	935.2842
Norhydrocodone	Norhydrocodone-D3	5.298	98450	21007	4.6866	1142.8339
6-MAM	6-MAM-D6	5.428	65240	25401	2.5684	103.8787
Phentermine	Phentermine-D5	6.066	968192	183662	5.2716	914.5563
Dextropropion	Dextropropion-D3	6.524	1021913	81224	12.5814	987.8445
Tramadol	Tramadol-13C-D3	6.580	10798125	568428	18.9965	989.5981
7-aminoclonazepam	7-Aminoclonazepam-D4	6.594	1174646	51250	22.9201	920.5668
Doxylamine	Doxylamine-D5	6.883	10284187	580663	17.7111	871.4927
Bupropion	Bupropion-D9	7.151	1349589	70140	19.2414	971.5979
Zolpidem	Zolpidem-D6	7.183	8123481	421782	19.2599	955.2227
Meprobamate	Meprobamate-D7	7.233	852166	45666	18.6610	989.1933
Venlafaxine	Venlafaxine-D6	7.305	8854881	415817	21.2951	979.6393
Trazodone	Trazodone-D6	7.355	5112870	194166	26.3324	1157.5683
Citalopram	Citalopram-D6	7.397	2344809	104332	22.4746	1034.7552
Dextromethorphan	Dextromethorphan-D3	7.408	485224	23988	20.2274	970.4720
Diphenhydramine	Diphenhydramine-D3	7.432	3829228	183106	20.9126	1090.3181
Promethazine	Promethazine-D3	7.566	1572590	99298	15.8371	910.0217

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

a Qc 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.602	605805	8157	74.2719	974.2839
Carisoprodol	Carisoprodol-D7	7.671	2002416	136381	14.6826	767.3618
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	298675	5889	50.7138	2373.5868 <i>Not evaluated</i>
Lorazepam	Alprazolam-D5	7.681	283317	83561	3.3905	1178.2056
Alprazolam	Alprazolam-D5	7.705	2147770	83561	25.7029	978.4155

☆

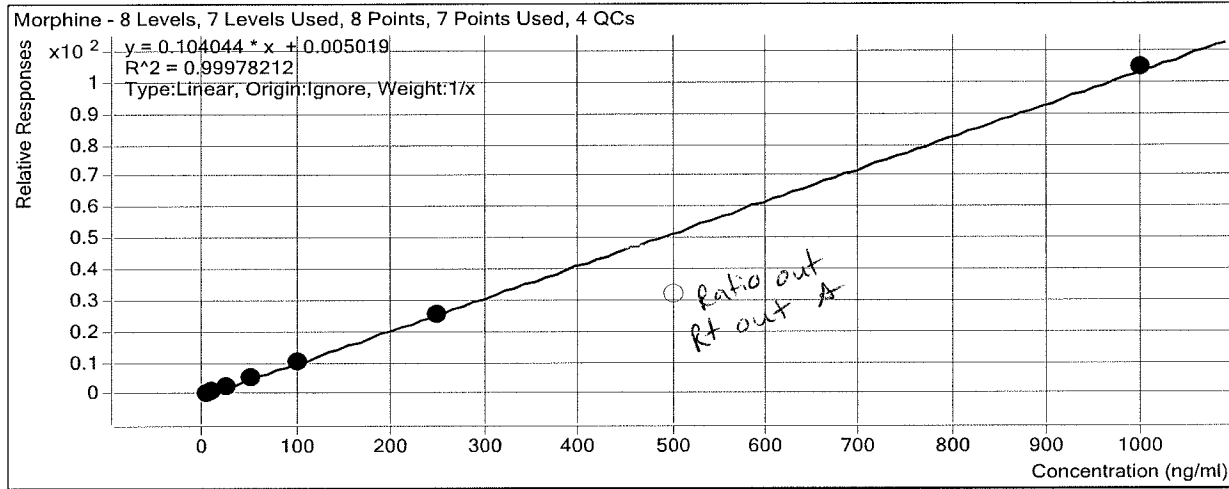
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
a QC 10	2	<input checked="" type="checkbox"/>	10	8.4	83.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.0	101.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a qc 100	5	<input checked="" type="checkbox"/>	100	98.2	98.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.5	97.4
a QC 250	6	<input checked="" type="checkbox"/>	250	248.3	99.3
a cal 7-500ng	7	<input type="checkbox"/>	500	307.0	61.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1006.4	100.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1064.1	106.4

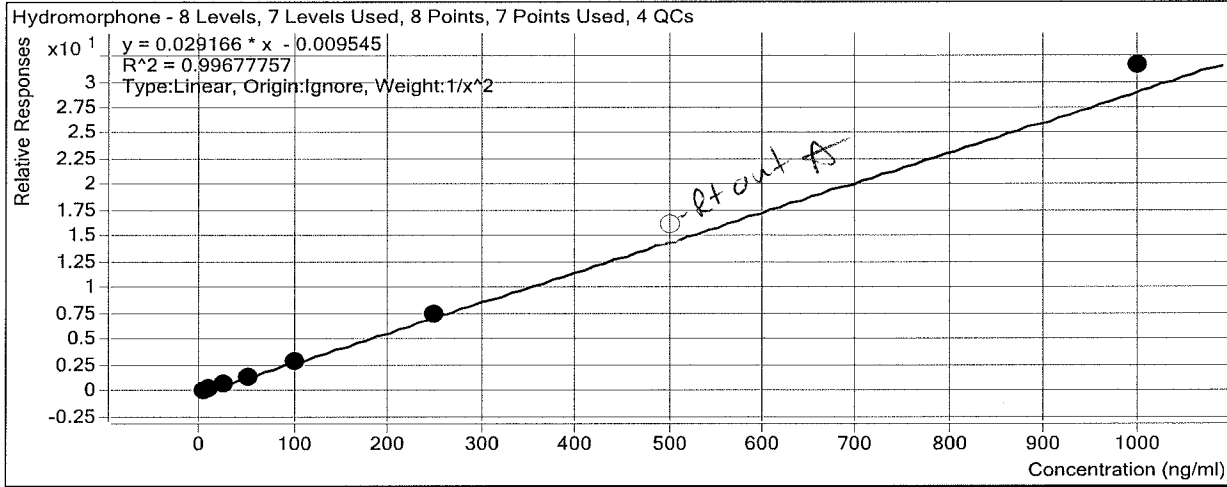
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Hydromorphone
Internal Standard Hydromorphone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.6	95.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.8	95.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.1	99.1
a qc 100	5	<input checked="" type="checkbox"/>	100	93.9	93.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.6	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	251.7	100.7
a cal 7-500ng	7	<input type="checkbox"/>	500	557.9	111.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1081.9	108.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1066.2	106.6

ISP Forensics Calibration Curve Report

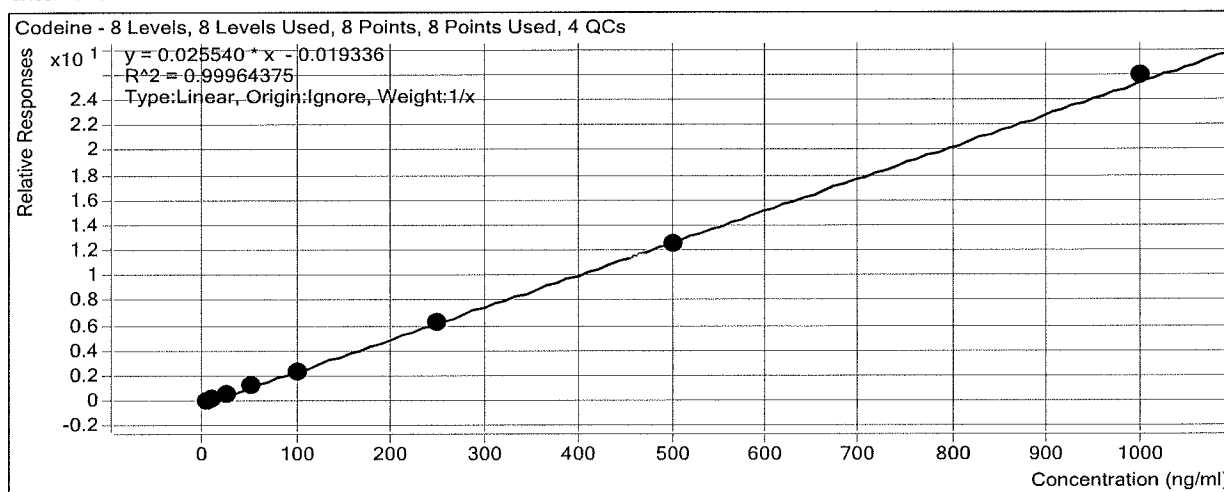
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Codeine

Internal Standard Codeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
a QC 10	2	<input checked="" type="checkbox"/>	10	8.8	88.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	98.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.5	95.5
a qc 100	5	<input checked="" type="checkbox"/>	100	94.0	94.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.4	100.2
a QC 250	6	<input checked="" type="checkbox"/>	250	233.6	93.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.4	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.2	101.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	957.0	95.7

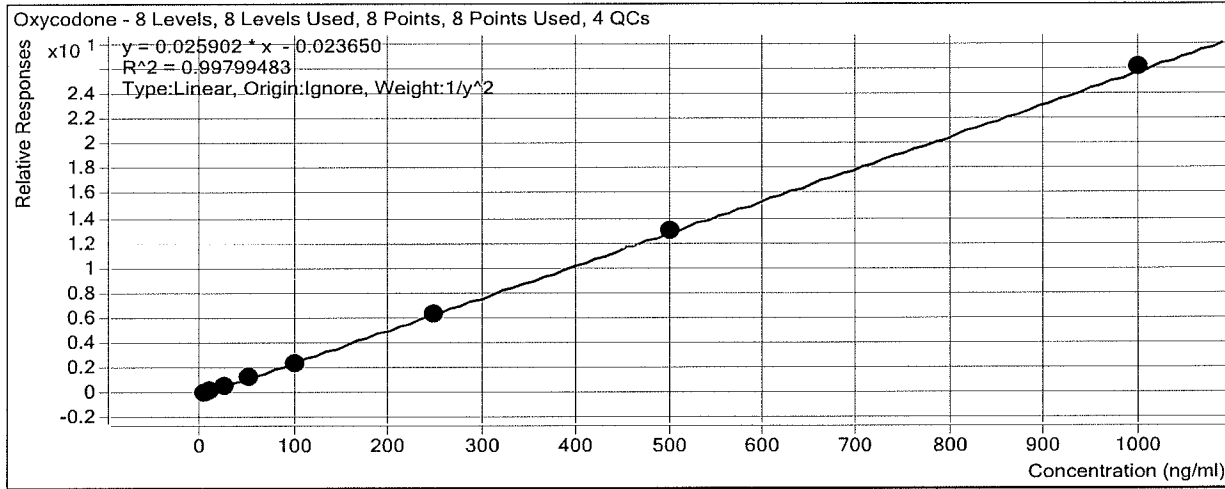
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a qc 100	5	<input checked="" type="checkbox"/>	100	95.1	95.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a QC 250	6	<input checked="" type="checkbox"/>	250	236.6	94.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.9	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.7	100.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.1	99.6

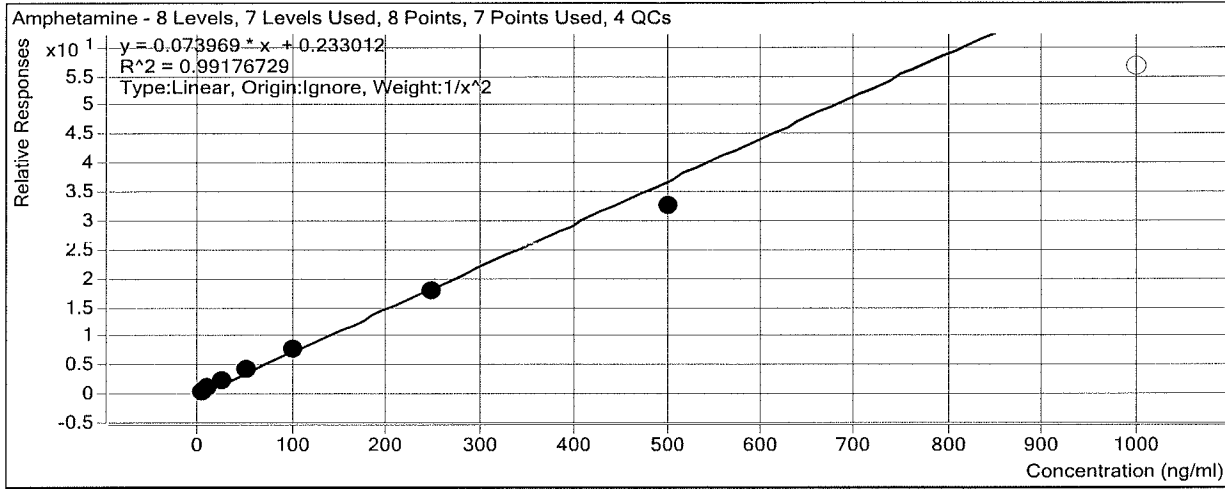
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Amphetamine
Internal Standard Amphetamine-D11



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.9	109.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	106.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.6	106.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.6	101.6
a qc 100	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.5	96.2
a QC 250	6	<input checked="" type="checkbox"/>	250	225.7	90.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	438.6	87.7
a cal 8-1000ng	8	<input type="checkbox"/>	1000	762.6	76.3
a qc 1000	8	<input type="checkbox"/>	1000	752.0	75.2

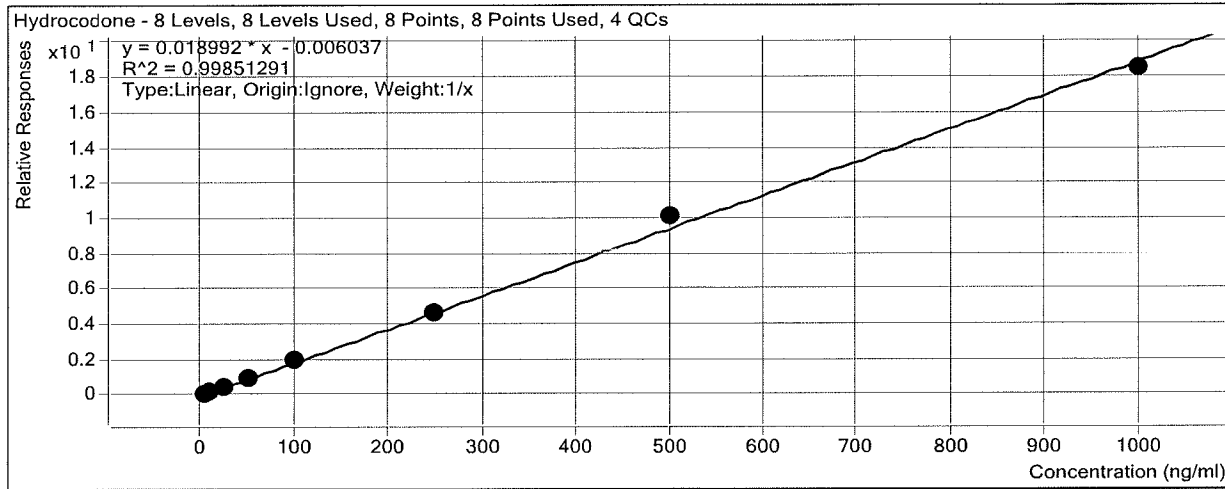
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Hydrocodone
Internal Standard Hydrocodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.1	96.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.0	100.0
a qc 100	5	<input checked="" type="checkbox"/>	100	95.0	95.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.0	98.8
a QC 250	6	<input checked="" type="checkbox"/>	250	242.4	97.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	530.2	106.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	973.1	97.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	943.6	94.4

ISP Forensics Calibration Curve Report

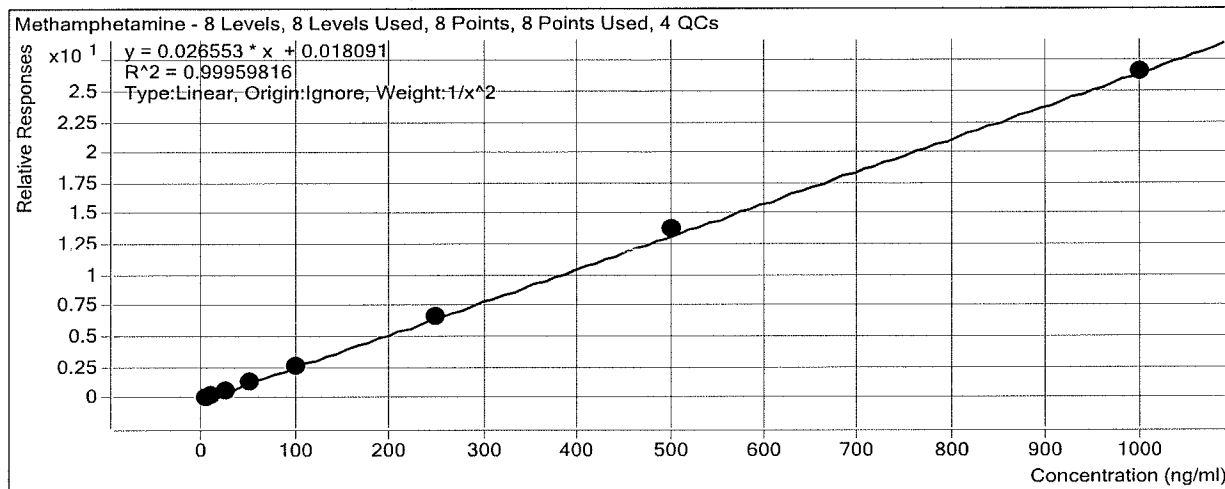
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound *Methamphetamine*

Internal Standard *Methamphetamine-D11*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	98.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	99.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.2	99.2
a qc 100	5	<input checked="" type="checkbox"/>	100	93.5	93.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.3	99.7
a QC 250	6	<input checked="" type="checkbox"/>	250	235.2	94.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.7	103.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.0	99.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	935.3	93.5

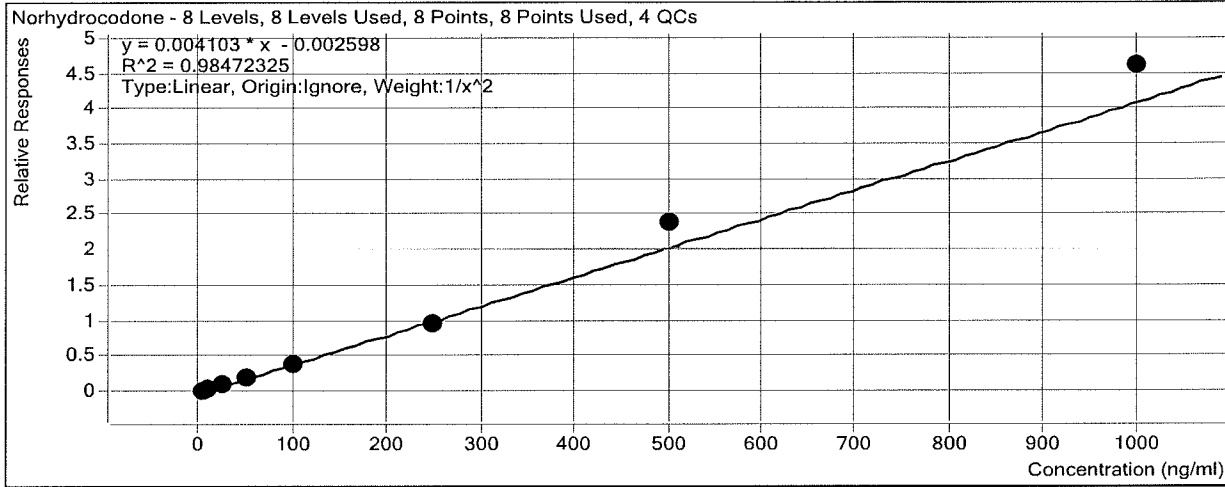
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

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



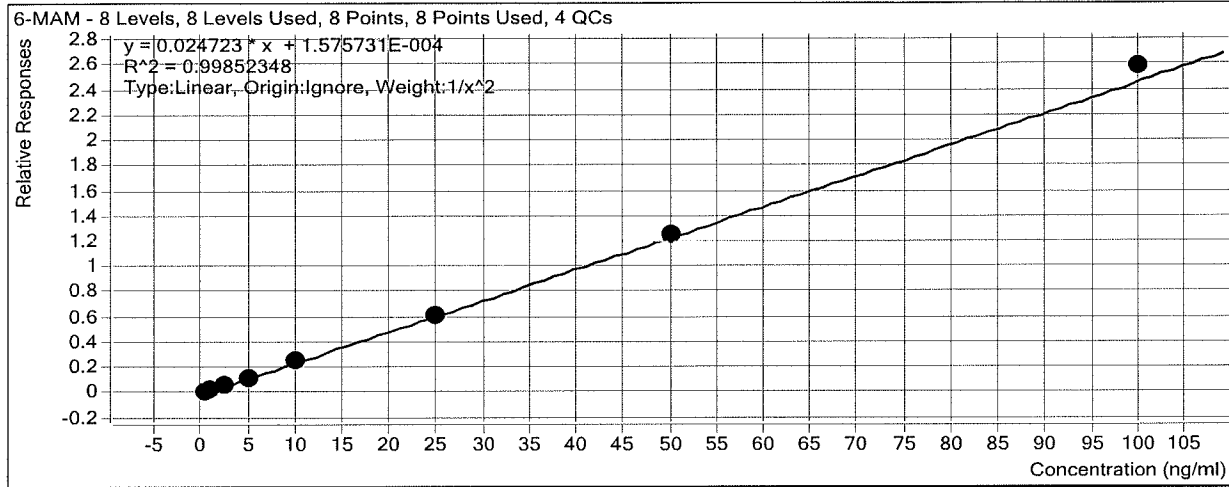
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.1	90.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	21.7	86.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.1	92.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.0	98.0
a qc 100	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.8	94.7
a QC 250	6	<input checked="" type="checkbox"/>	250	260.7	104.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	584.2	116.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1121.3	112.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1142.8	114.3

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	102.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	97.0
a QC 10	2	<input checked="" type="checkbox"/>	1	0.9	86.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.3	103.2
a qc 100	5	<input checked="" type="checkbox"/>	10	9.8	97.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.0	100.0
a QC 250	6	<input checked="" type="checkbox"/>	25	24.7	98.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.4	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	104.4	104.4
a qc 1000	8	<input checked="" type="checkbox"/>	100	103.9	103.9

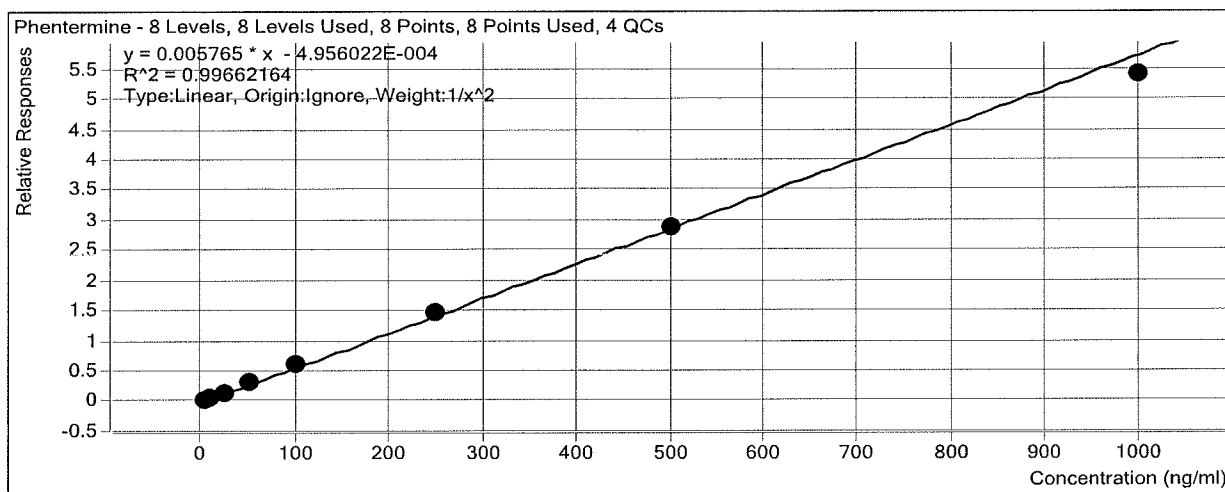
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	99.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.8	105.8
a qc 100	5	<input checked="" type="checkbox"/>	100	97.9	97.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	257.3	102.9
a QC 250	6	<input checked="" type="checkbox"/>	250	251.5	100.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	937.6	93.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	914.6	91.5

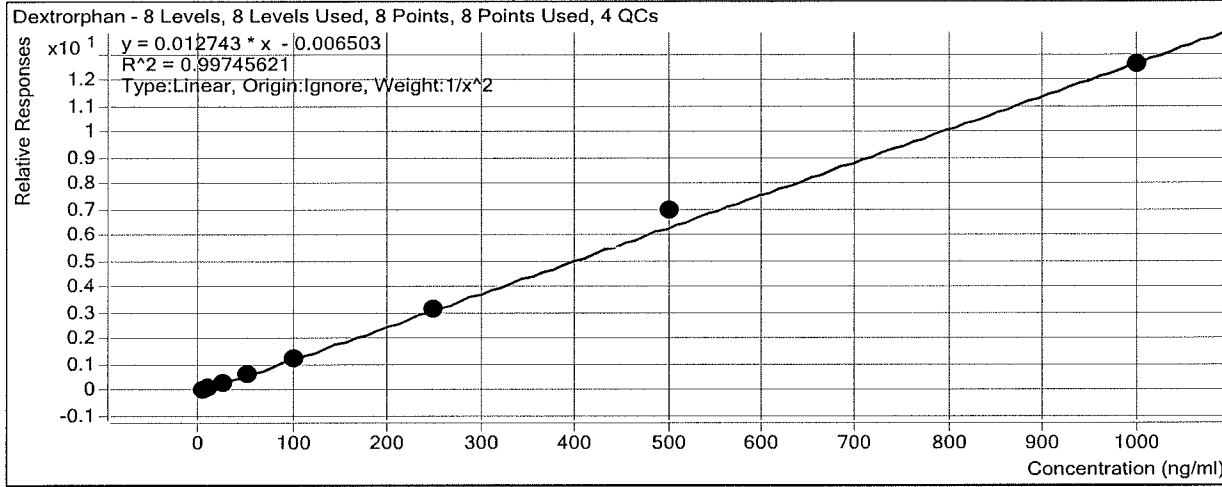
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.2	92.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.6	98.6
a qc 100	5	<input checked="" type="checkbox"/>	100	91.9	91.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	247.6	99.0
a QC 250	6	<input checked="" type="checkbox"/>	250	242.3	96.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	548.4	109.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.5	98.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	987.8	98.8

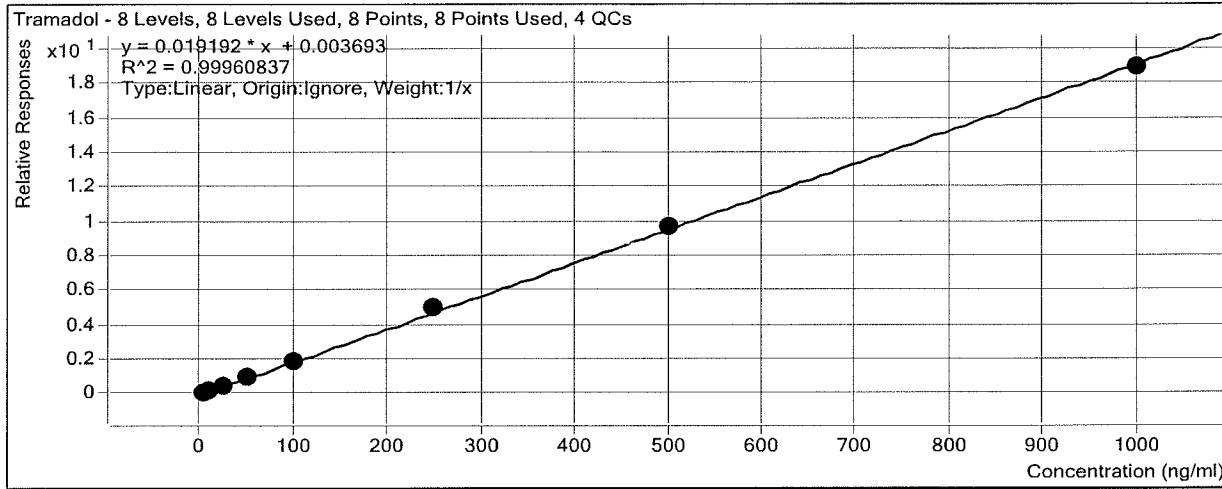
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

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



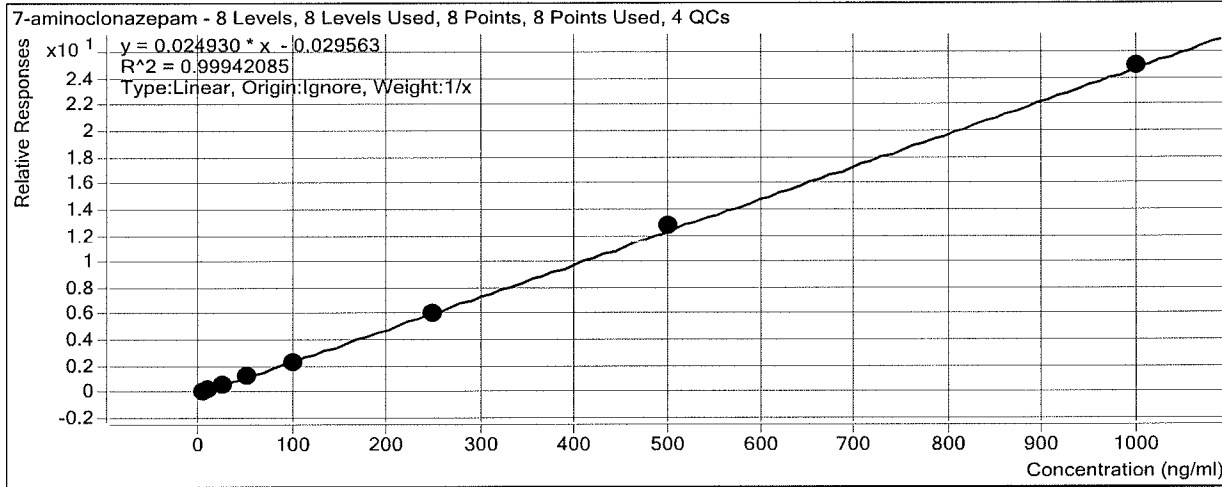
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a qc 100	5	<input checked="" type="checkbox"/>	100	94.9	94.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.4	103.8
a QC 250	6	<input checked="" type="checkbox"/>	250	243.9	97.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.7	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.8	98.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	989.6	99.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.5
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.3	93.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
a qc 100	5	<input checked="" type="checkbox"/>	100	86.5	86.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.3	98.1
a QC 250	6	<input checked="" type="checkbox"/>	250	232.0	92.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.0	102.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1001.2	100.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	920.6	92.1

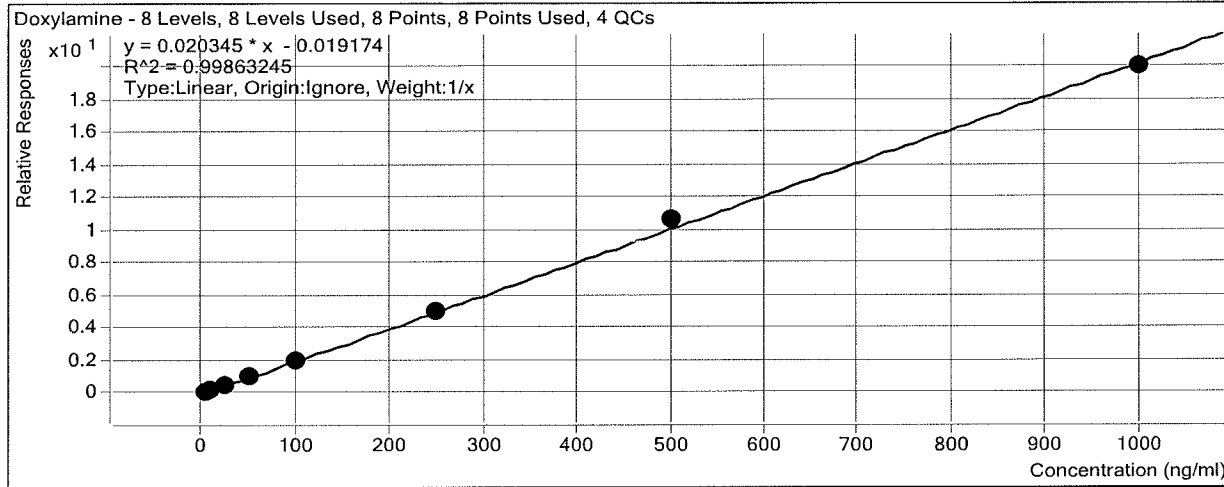
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.9	95.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.8	94.8
a qc 100	5	<input checked="" type="checkbox"/>	100	91.3	91.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.7
a QC 250	6	<input checked="" type="checkbox"/>	250	226.6	90.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	528.6	105.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	984.3	98.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	871.5	87.1

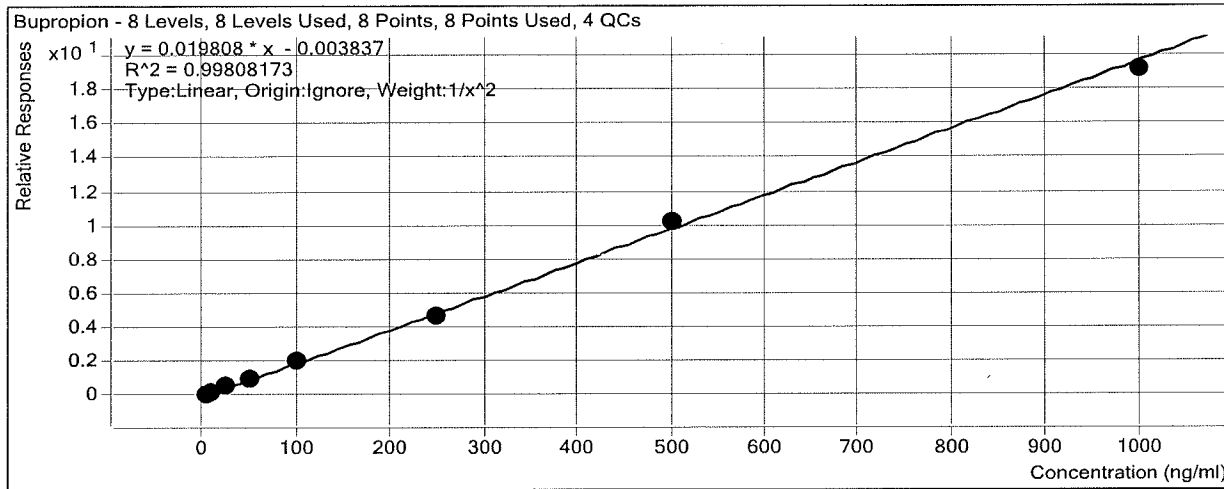
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.6	102.6
a qc 100	5	<input checked="" type="checkbox"/>	100	89.5	89.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.0	93.6
a QC 250	6	<input checked="" type="checkbox"/>	250	241.8	96.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.2	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	967.4	96.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	971.6	97.2

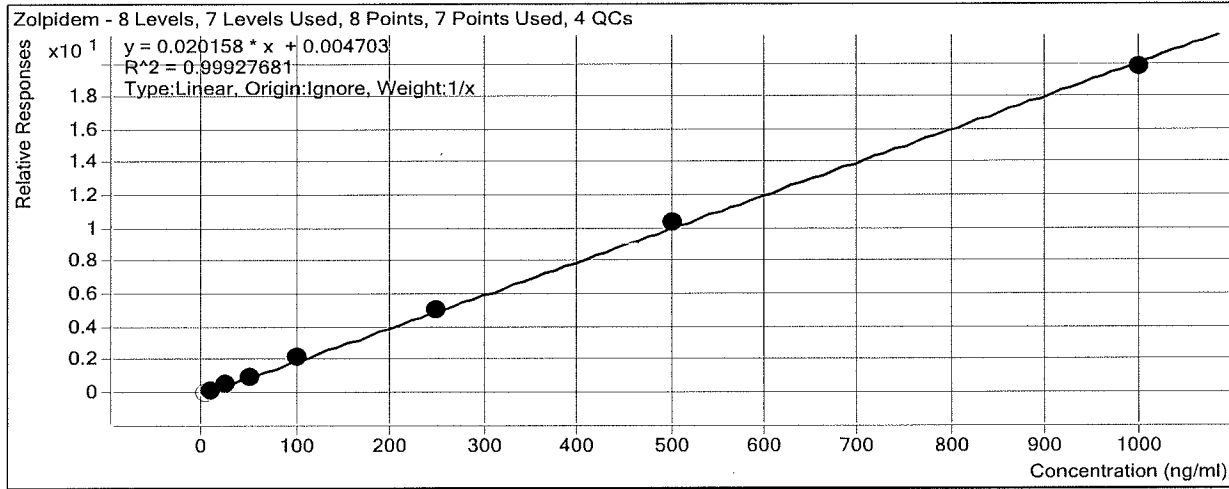
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input type="checkbox"/>	5	2.2	43.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10	2	<input checked="" type="checkbox"/>	10	8.8	88.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.2	105.2
a qc 100	5	<input checked="" type="checkbox"/>	100	96.6	96.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.4
a QC 250	6	<input checked="" type="checkbox"/>	250	241.4	96.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.2	103.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	979.4	97.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	955.2	95.5

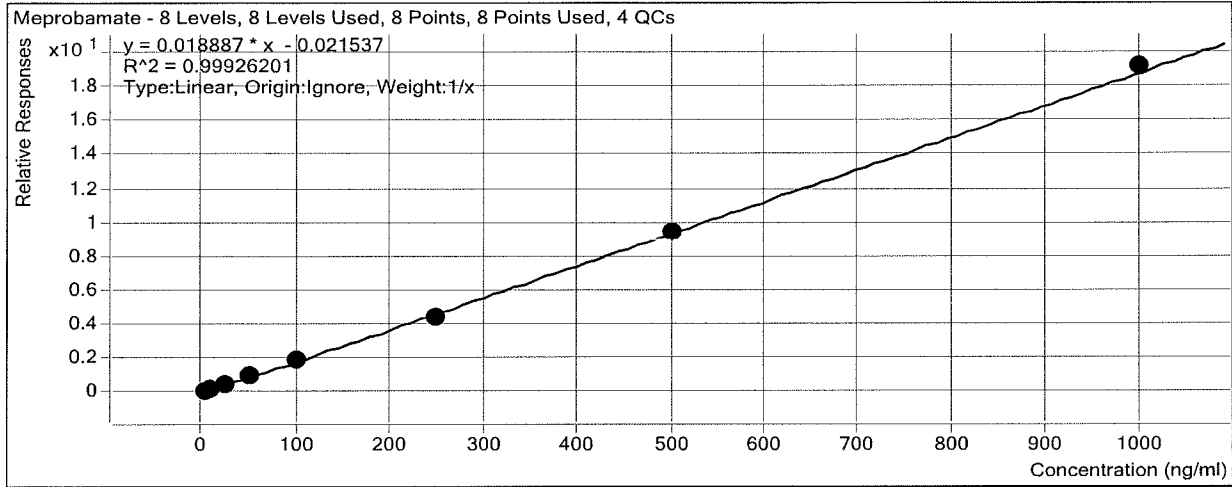
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	108.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a qc 100	5	<input checked="" type="checkbox"/>	100	92.7	92.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.2	94.5
a QC 250	6	<input checked="" type="checkbox"/>	250	233.2	93.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1015.5	101.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	989.2	98.9

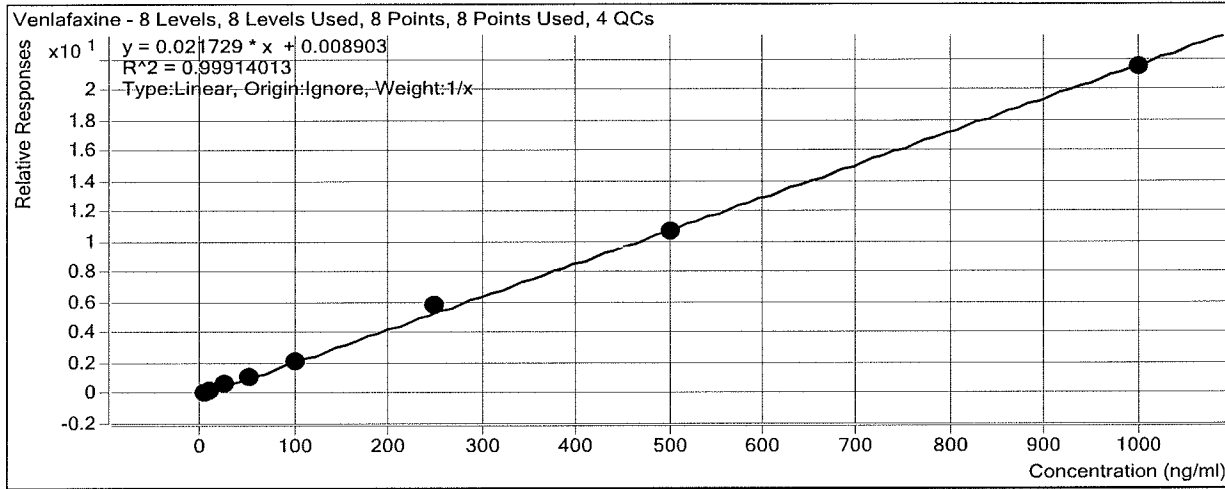
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Venlafaxine
Internal Standard Venlafaxine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	89.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	92.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a qc 100	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	266.3	106.5
a QC 250	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	493.2	98.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.6	98.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	979.6	98.0

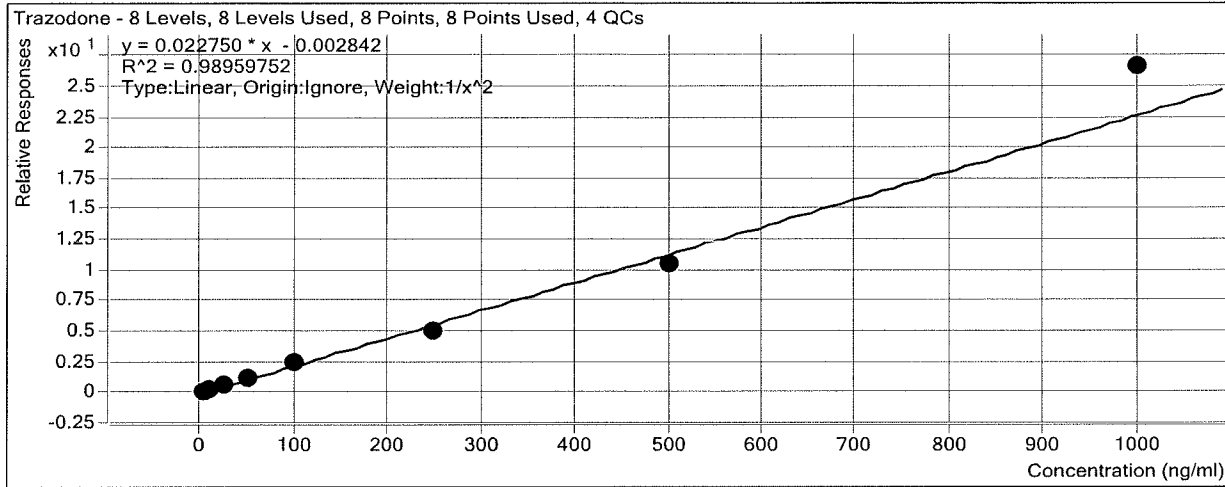
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Trazodone
Internal Standard Trazodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.8	103.8
a qc 100	5	<input checked="" type="checkbox"/>	100	101.5	101.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	217.3	86.9
a QC 250	6	<input checked="" type="checkbox"/>	250	265.3	106.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	461.0	92.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1167.6	116.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1157.6	115.8

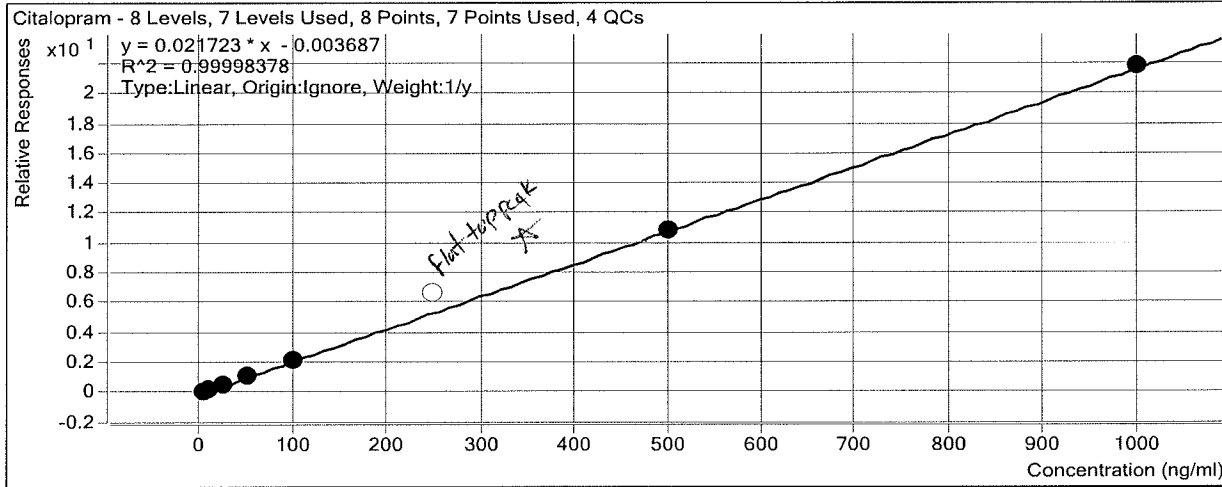
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Citalopram
Internal Standard Citalopram-D6



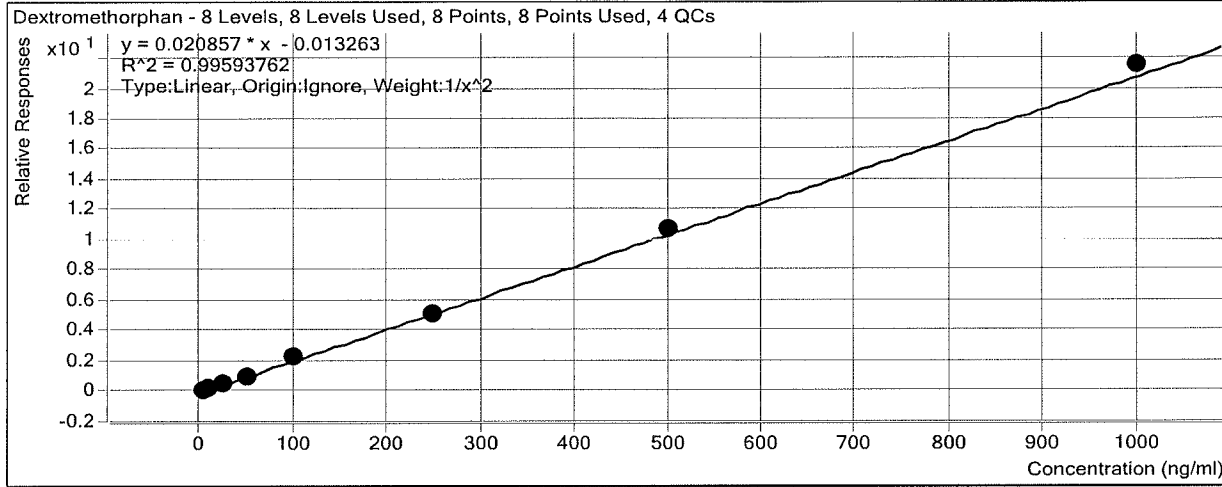
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.2	100.2
a qc 100	5	<input checked="" type="checkbox"/>	100	94.7	94.7
a cal 6-250ng	6	<input type="checkbox"/>	250	309.8	123.9
a QC 250	6	<input type="checkbox"/>	250	239.6	95.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.1	99.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1002.6	100.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1034.8	103.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM **Analyst Name** ISP TOX

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



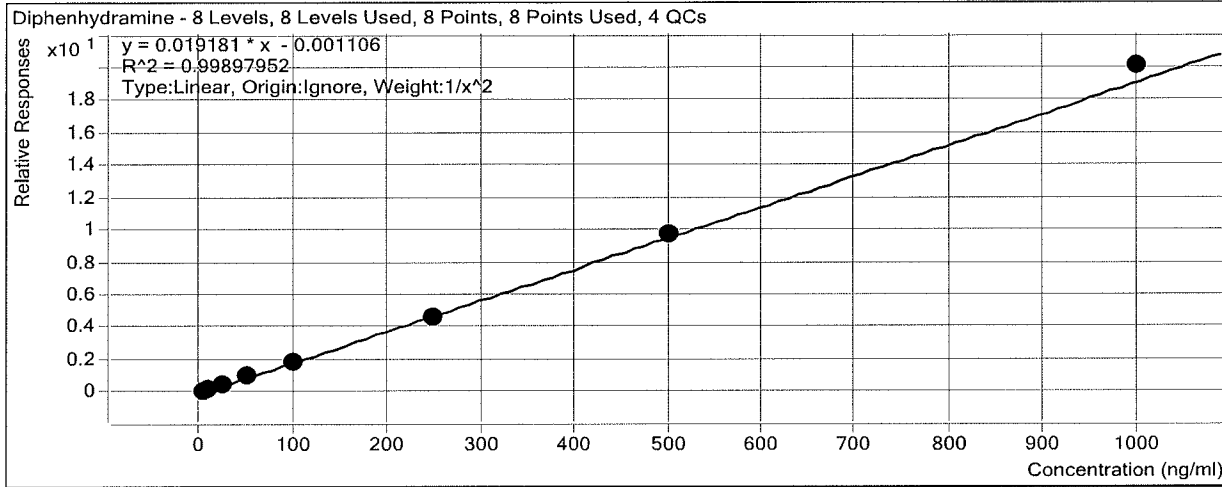
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.0
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.4	96.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	108.0	108.0
a qc 100	5	<input checked="" type="checkbox"/>	100	96.2	96.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.0	98.0
a QC 250	6	<input checked="" type="checkbox"/>	250	244.7	97.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	517.6	103.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1031.6	103.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	970.5	97.0

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.0
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a qc 100	5	<input checked="" type="checkbox"/>	100	90.3	90.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.1	95.2
a QC 250	6	<input checked="" type="checkbox"/>	250	215.4	86.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	507.3	101.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1047.3	104.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1090.3	109.0

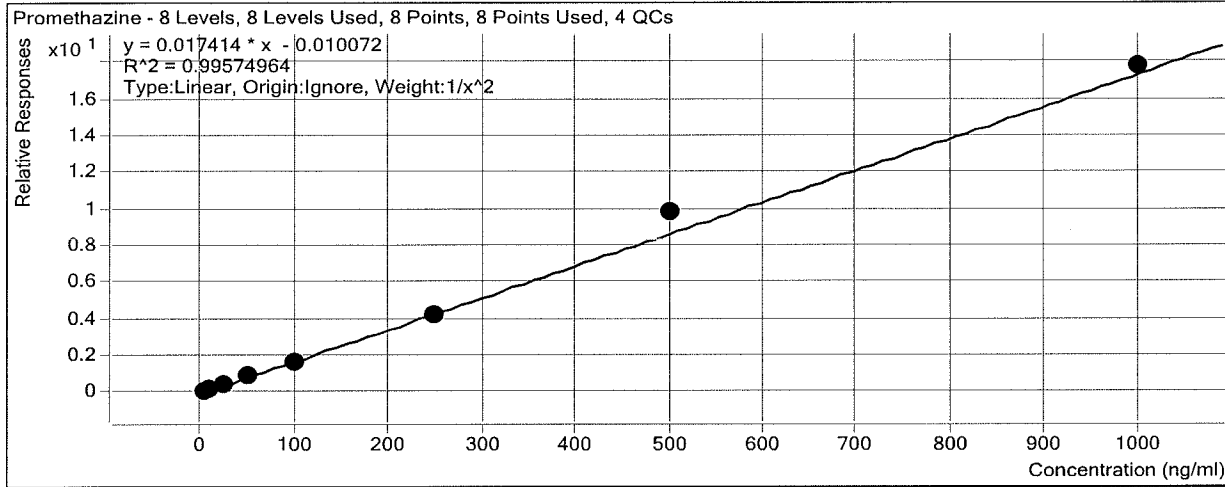
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Promethazine
Internal Standard Promethazine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.9
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	101.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	95.6	95.6
a qc 100	5	<input checked="" type="checkbox"/>	100	95.4	95.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.7	97.9
a QC 250	6	<input checked="" type="checkbox"/>	250	246.2	98.5
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	562.0	112.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1019.6	102.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	910.0	91.0

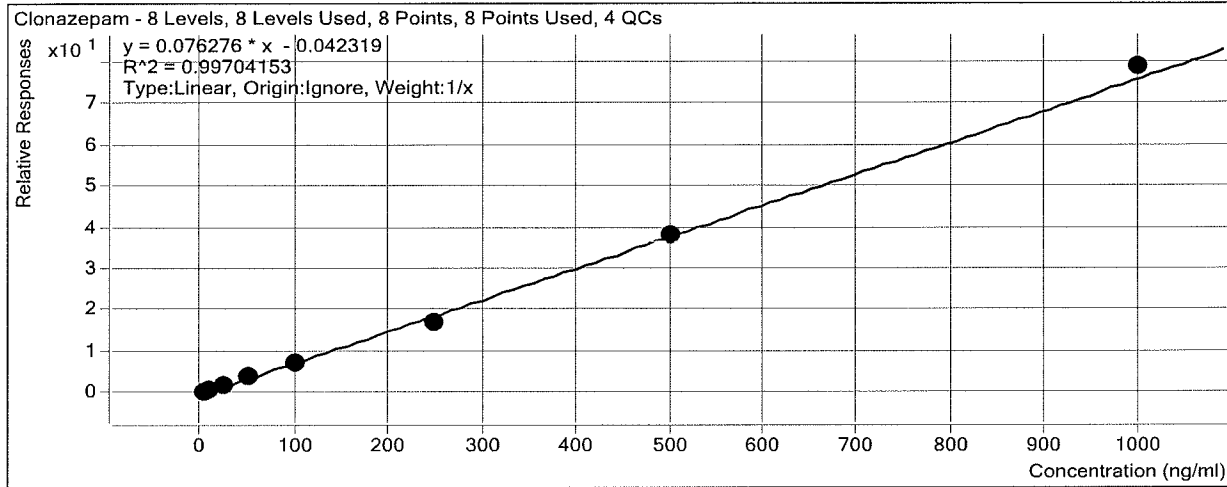
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Clonazepam
Internal Standard Clonazepam-D4



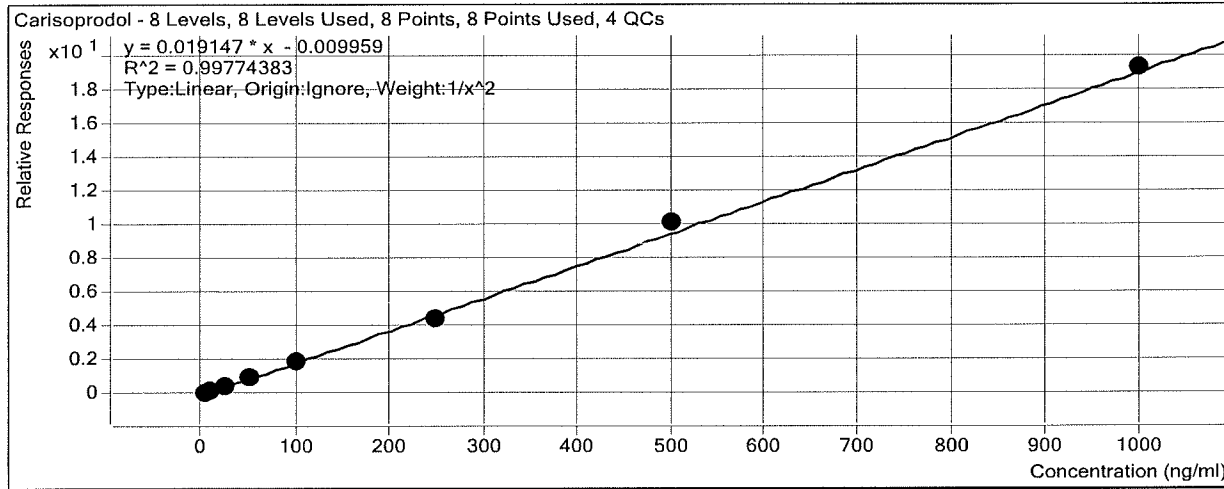
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.0	109.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.1	106.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a qc 100	5	<input checked="" type="checkbox"/>	100	93.4	93.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	220.7	88.3
a QC 250	6	<input checked="" type="checkbox"/>	250	214.1	85.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.8	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1032.0	103.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	974.3	97.4

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM **Analyst Name** ISP TOX

Target Compound Carisoprodol
Internal Standard Carisoprodol-D7



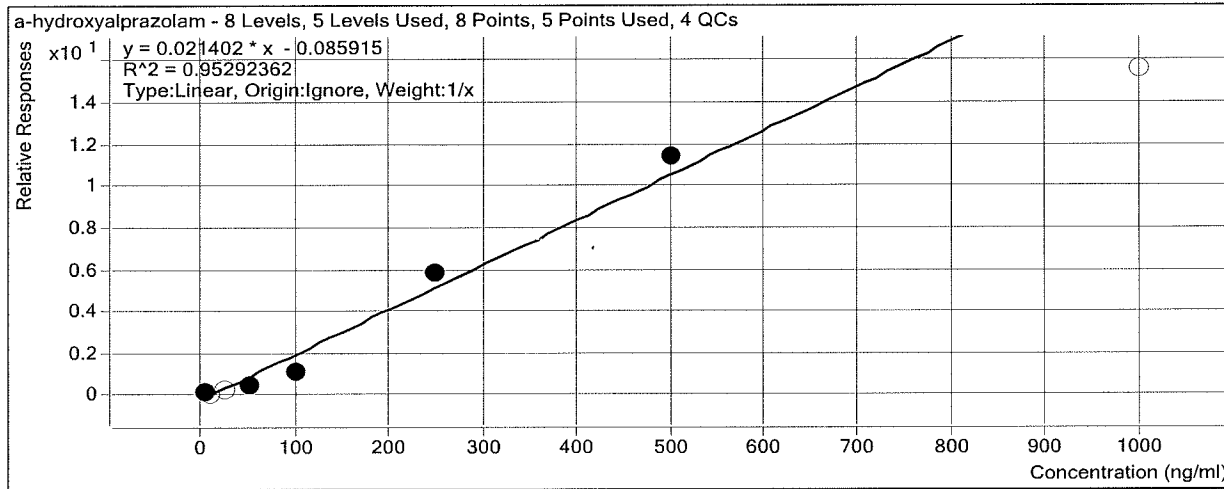
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	100.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.5	94.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.4	102.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a qc 100	5	<input checked="" type="checkbox"/>	100	90.7	90.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.0	92.4
a QC 250	6	<input checked="" type="checkbox"/>	250	222.9	89.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	533.8	106.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1008.6	100.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	767.4	76.7

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	8.7	173.8
a cal 2-10ng	2	<input type="checkbox"/>	10	8.2	81.7
a QC 10	2	<input type="checkbox"/>	10	14.0	139.5
a cal 3-25ng	3	<input type="checkbox"/>	25	18.5	74.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	26.3	52.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	55.5	55.5
a qc 100	5	<input checked="" type="checkbox"/>	100	102.9	102.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	276.2	110.5
a QC 250	6	<input checked="" type="checkbox"/>	250	543.4	217.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	538.3	107.7
a cal 8-1000ng	8	<input type="checkbox"/>	1000	731.6	73.2
a qc 1000	8	<input type="checkbox"/>	1000	2373.6	237.4

Not evaluated

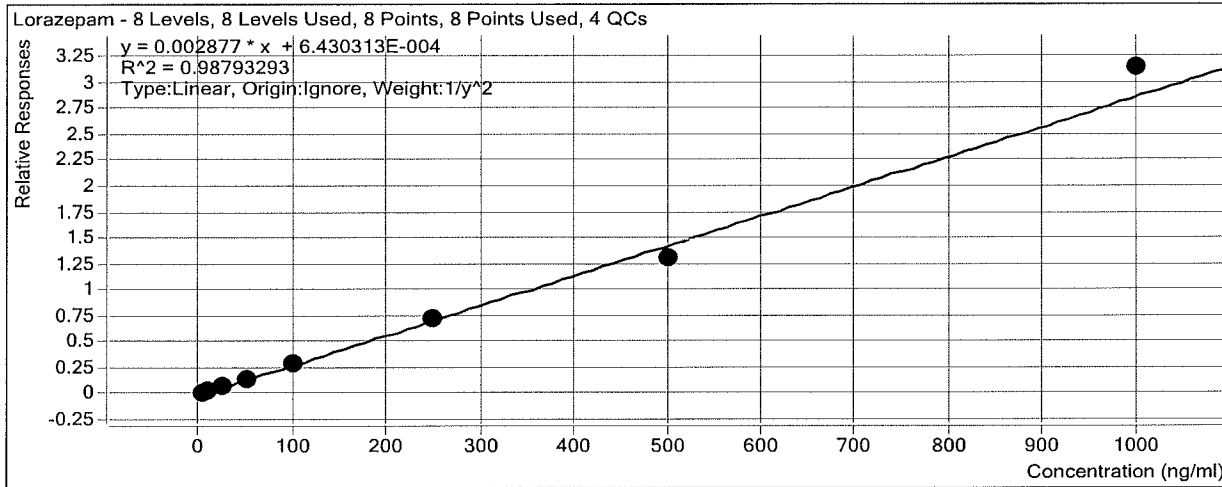
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Lorazepam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	12.4	124.0
a QC 10	2	<input checked="" type="checkbox"/>	10	7.5	75.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.4	105.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.6	97.6
a qc 100	5	<input checked="" type="checkbox"/>	100	93.0	93.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.5	99.8
a QC 250	6	<input checked="" type="checkbox"/>	250	232.0	92.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	456.8	91.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1091.3	109.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1178.2	117.8

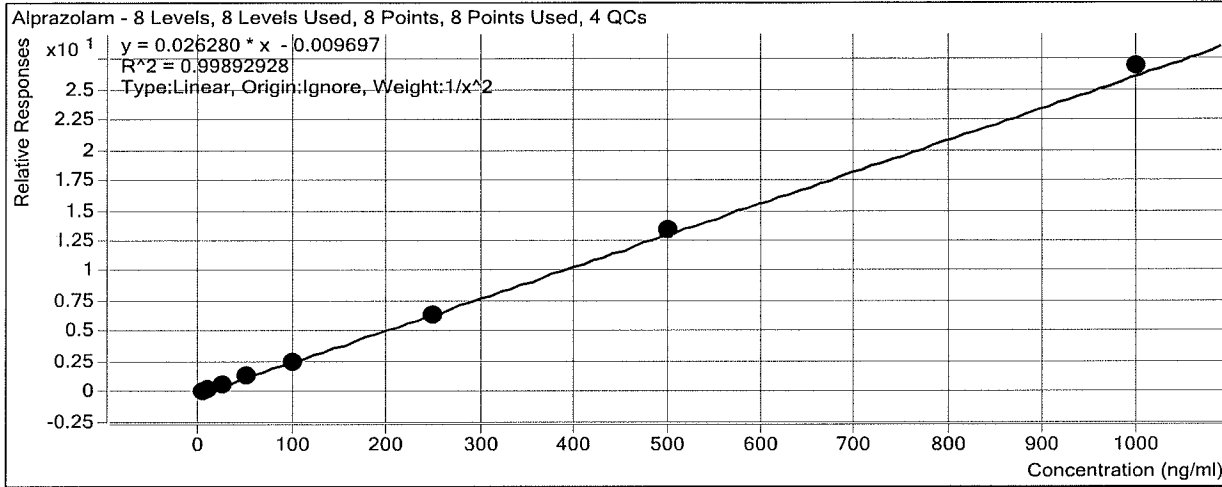
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin

Last Calib Update 9/27/2017 9:54 AM

Analyst Name ISP TOX

Target Compound Alprazolam
Internal Standard Alprazolam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	99.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
a qc 100	5	<input checked="" type="checkbox"/>	100	93.3	93.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.6	98.2
a QC 250	6	<input checked="" type="checkbox"/>	250	230.0	92.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.7	102.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1025.4	102.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	978.4	97.8

ISP FORENSICS - Cd'A Instrument # 62340

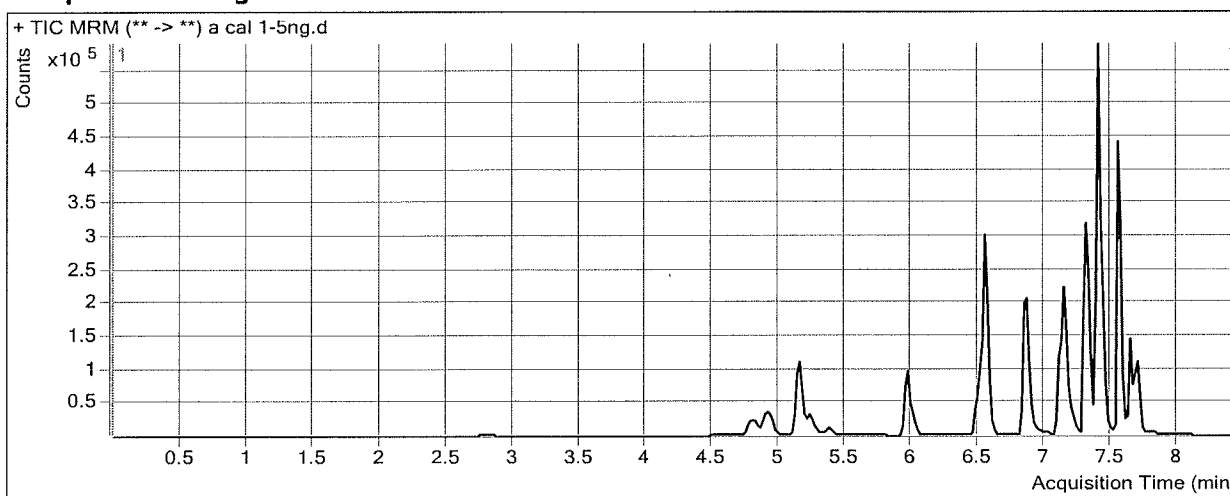
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin
Analysis Time 9/27/2017 9:54 AM **Analyst Name** anord
Report Time 9/27/2017 10:01 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 11:58 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.708	767	1390	0.5521	5.2586
Hydromorphone	Hydromorphone-D6	2.809	3641	26170	0.1391	5.0975
Codeine	Codeine-D6	4.576	1893	16747	0.1130	5.1825
Oxycodone	Oxycodone-D6	4.930	9632	93979	0.1025	4.8702
Amphetamine	Amphetamine-D11	4.944	59782	103078	0.5800	4.6906
Hydrocodone	Hydrocodone-D6	5.174	7922	86970	0.0911	5.1142
Methamphetamine	Methamphetamine-D11	5.261	48514	318133	0.1525	5.0617
Norhydrocodone	Norhydrocodone-D3	5.258	600	30877	0.0194	5.3672
6-MAM	6-MAM-D6	5.368	373	29059	0.0128	0.5123
Phentermine	Phentermine-D5	6.026	9008	317206	0.0284	5.0121
Dextropropion	Dextropropion-D3	6.504	7953	135507	0.0587	5.1162
Tramadol	Tramadol-13C-D3	6.560	68274	708857	0.0963	4.8260
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	8826	80264	0.1100	5.5966
Doxylamine	Doxylamine-D5	6.883	59469	653991	0.0909	5.4120
Bupropion	Bupropion-D9	7.131	32166	335435	0.0959	5.0349
Zolpidem	Zolpidem-D6	7.183	23102	476622	0.0485	2.1713
Meprobamate	Meprobamate-D7	7.213	4318	53403	0.0808	5.4211
Venlafaxine	Venlafaxine-D6	7.305	64454	609094	0.1058	4.4603
Trazodone	Trazodone-D6	7.335	40599	362327	0.1120	5.0501
Citalopram	Citalopram-D6	7.397	46906	446345	0.1051	5.0073
Dextromethorphan	Dextromethorphan-D3	7.408	10348	108670	0.0952	5.2017
Diphenhydramine	Diphenhydramine-D3	7.411	67942	714214	0.0951	5.0171
Promethazine	Promethazine-D3	7.546	74603	943005	0.0791	5.1214

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

a cal |

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	5867	16545	0.3546	5.2034
Carisoprodol	Carisoprodol-D7	7.651	18741	219104	0.0855	4.9874
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.640	1814	18126	0.1001	8.6897
Lorazepam	Alprazolam-D5	7.681	2171	155159	0.0140	4.6389
Alprazolam	Alprazolam-D5	7.705	19372	155159	0.1249	5.1198

ISP FORENSICS - Cd'A Instrument # 62340

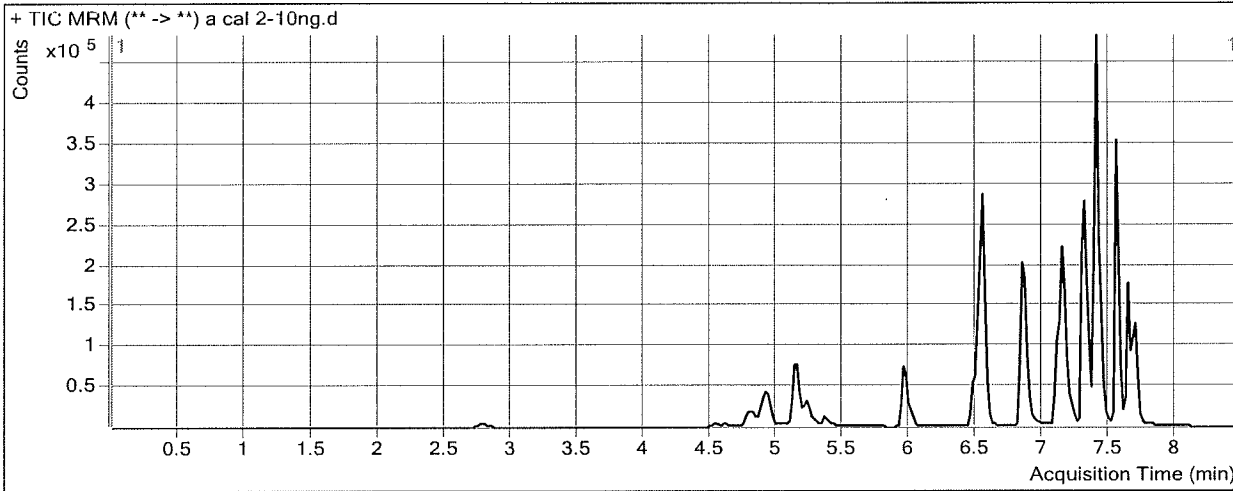
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 12:24	Data File	a cal 2-10ng.d
Sample Type	Calibration	Sample Name	a cal 2-10ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-B1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.708	1360	1376	0.9884	9.4516
Hydromorphone	Hydromorphone-D6	2.809	7099	25293	0.2807	9.9511
Codeine	Codeine-D6	4.592	3940	16178	0.2435	10.2923
Oxycodone	Oxycodone-D6	4.930	21379	83604	0.2557	10.7859
Amphetamine	Amphetamine-D11	4.944	80703	77636	1.0395	10.9030
Hydrocodone	Hydrocodone-D6	5.174	14676	81574	0.1799	9.7909
Methamphetamine	Methamphetamine-D11	5.241	55980	200514	0.2792	9.8328
Norhydrocodone	Norhydrocodone-D3	5.238	975	27667	0.0352	9.2177
6-MAM	6-MAM-D6	5.368	667	27649	0.0241	0.9698
Phentermine	Phentermine-D5	6.006	14396	247971	0.0581	10.1571
Dextropropion	Dextropropion-D3	6.484	13922	118180	0.1178	9.7548
Tramadol	Tramadol-13C-D3	6.560	126952	645518	0.1967	10.0547
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	17498	76620	0.2284	10.3465
Doxylamine	Doxylamine-D5	6.863	102526	548233	0.1870	10.1346
Bupropion	Bupropion-D9	7.131	47816	254801	0.1877	9.6677
Zolpidem	Zolpidem-D6	7.163	88608	450977	0.1965	9.5138
Meprobamate	Meprobamate-D7	7.213	9138	50836	0.1797	10.6576
Venlafaxine	Venlafaxine-D6	7.305	113830	513745	0.2216	9.7874
Trazodone	Trazodone-D6	7.335	60485	273132	0.2215	9.8588
Citalopram	Citalopram-D6	7.397	71383	336278	0.2123	9.9415
Dextromethorphan	Dextromethorphan-D3	7.408	14442	77914	0.1854	9.5234
Diphenhydramine	Diphenhydramine-D3	7.411	98953	518663	0.1908	10.0041
Promethazine	Promethazine-D3	7.546	103768	646827	0.1604	9.7909

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

a cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	14240	17957	0.7930	10.9516
Carisoprodol	Carisoprodol-D7	7.651	43101	236039	0.1826	10.0571
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	1850	20788	0.0890	8.1729
Lorazepam	Alprazolam-D5	7.681	5444	149873	0.0363	12.4018
Alprazolam	Alprazolam-D5	7.684	35999	149873	0.2402	9.5088



ISP FORENSICS - Cd'A Instrument # 62340

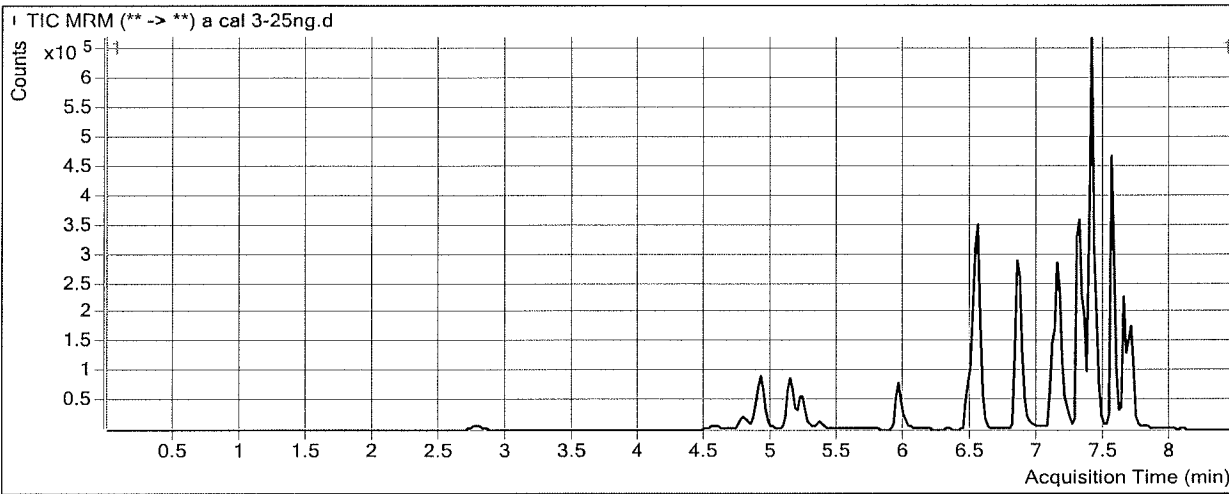
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 12:49	Data File	a cal 3-25ng.d
Sample Type	Calibration	Sample Name	a cal 3-25ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	3436	1303	2.6376	25.3025
Hydromorphone	Hydromorphone-D6	2.789	17179	25554	0.6723	23.3772
Codeine	Codeine-D6	4.576	9964	16040	0.6212	25.0811
Oxycodone	Oxycodone-D6	4.910	54599	85148	0.6412	25.6695
Amphetamine	Amphetamine-D11	4.924	177100	80557	2.1984	26.5707
Hydrocodone	Hydrocodone-D6	5.154	37959	84167	0.4510	24.0642
Methamphetamine	Methamphetamine-D11	5.241	134945	201632	0.6693	24.5234
Norhydrocodone	Norhydrocodone-D3	5.238	2459	28498	0.0863	21.6596
6-MAM	6-MAM-D6	5.368	1609	26872	0.0599	2.4150
Phentermine	Phentermine-D5	6.006	33301	254401	0.1309	22.7931
Dextroprphan	Dextroprphan-D3	6.484	36064	121625	0.2965	23.7800
Tramadol	Tramadol-13C-D3	6.540	329950	675300	0.4886	25.2655
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	43364	78746	0.5507	23.2750
Doxylamine	Doxylamine-D5	6.863	285905	596363	0.4794	24.5069
Bupropion	Bupropion-D9	7.131	130462	258137	0.5054	25.7088
Zolpidem	Zolpidem-D6	7.163	230664	463005	0.4982	24.4811
Meprobamate	Meprobamate-D7	7.213	21393	50236	0.4258	23.6878
Venlafaxine	Venlafaxine-D6	7.285	309733	540426	0.5731	25.9669
Trazodone	Trazodone-D6	7.335	165389	301513	0.5485	24.2357
Citalopram	Citalopram-D6	7.377	194786	359297	0.5421	25.1259
Dextromethorphan	Dextromethorphan-D3	7.408	38023	82151	0.4629	22.8281
Diphenhydramine	Diphenhydramine-D3	7.411	260112	553943	0.4696	24.5379
Promethazine	Promethazine-D3	7.546	279220	687052	0.4064	23.9160

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

acal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	30209	17048	1.7720	23.7865
Carisoprodol	Carisoprodol-D7	7.651	101414	217462	0.4664	24.8770
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.620	5382	17306	0.3110	18.5448
Lorazepam	Alprazolam-D5	7.681	11141	145358	0.0766	26.4163
Alprazolam	Alprazolam-D5	7.684	93970	145358	0.6465	24.9685



ISP FORENSICS - Cd'A Instrument # 62340

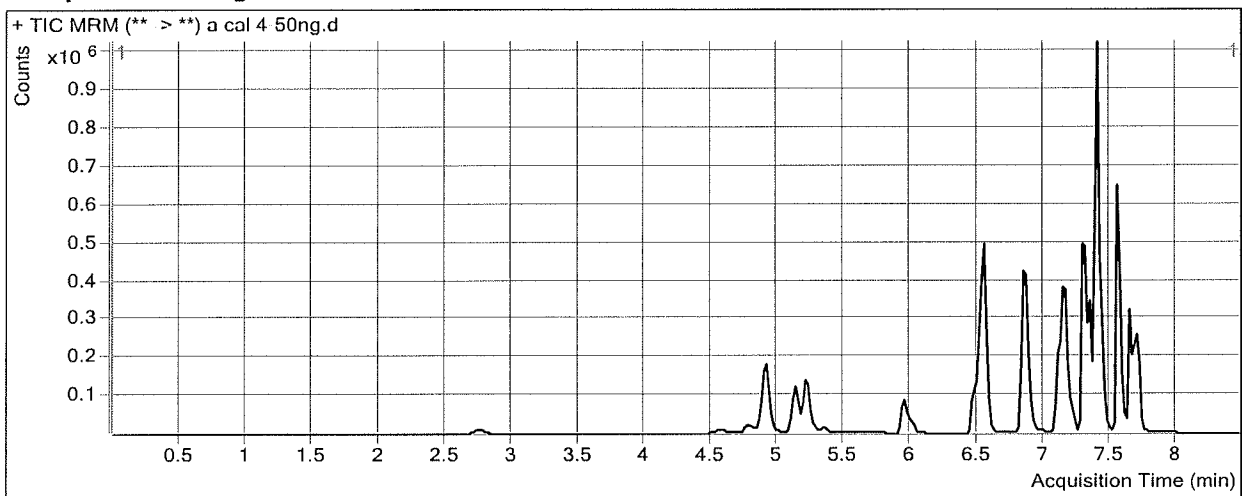
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 13:15	Data File	a cal 4-50ng.d
Sample Type	Calibration	Sample Name	a cal 4-50ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.688	7949	1498	5.3073	50.9619
Hydromorphone	Hydromorphone-D6	2.769	39311	28415	1.3834	47.7607
Codeine	Codeine-D6	4.576	19689	15981	1.2320	48.9946
Oxycodone	Oxycodone-D6	4.910	110743	88398	1.2528	49.2800
Amphetamine	Amphetamine-D11	4.924	379925	91995	4.1299	52.6819
Hydrocodone	Hydrocodone-D6	5.154	79790	83373	0.9570	50.7083
Methamphetamine	Methamphetamine-D11	5.221	354637	263745	1.3446	49.9577
Norhydrocodone	Norhydrocodone-D3	5.238	5441	29181	0.1865	46.0780
6-MAM	6-MAM-D6	5.368	3326	28148	0.1181	4.7723
Phentermine	Phentermine-D5	6.006	83973	280093	0.2998	52.0934
Dextroprphan	Dextroprphan-D3	6.484	80575	129400	0.6227	49.3757
Tramadol	Tramadol-13C-D3	6.540	660221	694867	0.9501	49.3136
7-aminoclonazepam	7-Aminoclonazepam-D4	6.534	93242	78868	1.1822	48.6086
Doxylamine	Doxylamine-D5	6.863	583297	611030	0.9546	47.8644
Bupropion	Bupropion-D9	7.131	265358	259131	1.0240	51.8920
Zolpidem	Zolpidem-D6	7.163	477990	470473	1.0160	50.1679
Meprobamate	Meprobamate-D7	7.213	45131	50881	0.8870	48.1037
Venlafaxine	Venlafaxine-D6	7.285	642740	559805	1.1481	52.4307
Trazodone	Trazodone-D6	7.335	366231	310832	1.1782	51.9140
Citalopram	Citalopram-D6	7.377	413337	381647	1.0830	50.0257
Dextromethorphan	Dextromethorphan-D3	7.408	93589	93989	0.9958	48.3789
Diphenhydramine	Diphenhydramine-D3	7.411	577351	595156	0.9701	50.6321
Promethazine	Promethazine-D3	7.546	600173	725865	0.8268	48.0594

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

a cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	57129	14248	4.0097	53.1232
Carisoprodol	Carisoprodol-D7	7.651	204500	210027	0.9737	51.3739
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	8356	17532	0.4766	26.2835
Lorazepam	Alprazolam-D5	7.681	18857	139090	0.1356	46.8985
Alprazolam	Alprazolam-D5	7.705	185358	139090	1.3327	51.0790



ISP FORENSICS - Cd'A Instrument # 62340

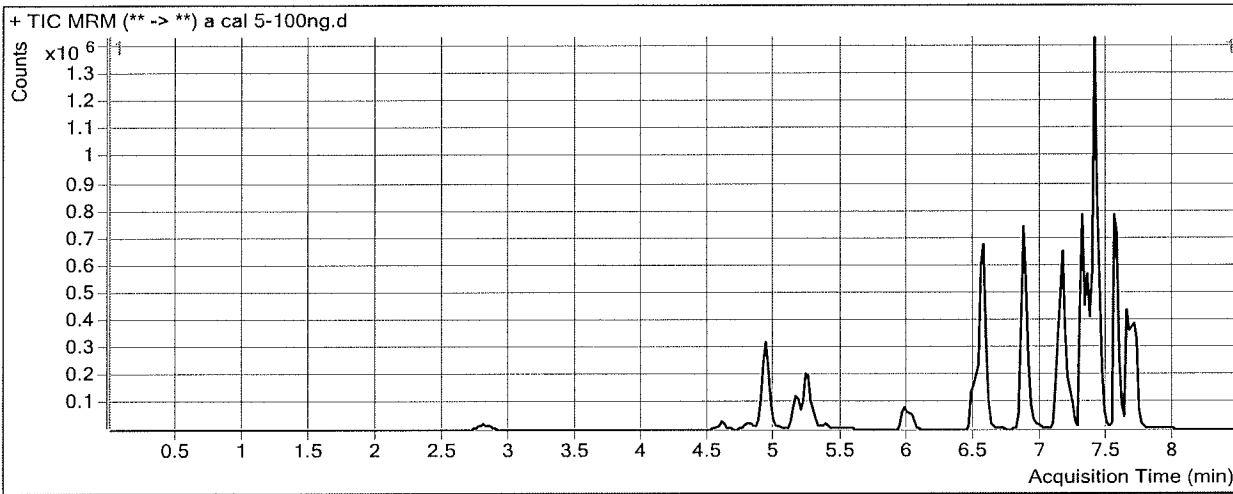
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin
Analysis Time 9/27/2017 9:54 AM **Analyst Name** anord
Report Time 9/27/2017 10:01 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 13:40 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-E1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.708	14706	1425	10.3215	99.1550
Hydromorphone	Hydromorphone-D6	2.809	73824	25628	2.8807	99.0953
Codeine	Codeine-D6	4.592	38299	15835	2.4186	95.4569
Oxycodone	Oxycodone-D6	4.930	211249	86323	2.4472	95.3934
Amphetamine	Amphetamine-D11	4.944	631905	81564	7.7474	101.5876
Hydrocodone	Hydrocodone-D6	5.174	152300	80465	1.8928	99.9782
Methamphetamine	Methamphetamine-D11	5.261	542289	204387	2.6532	99.2411
Norhydrocodone	Norhydrocodone-D3	5.258	10096	25268	0.3995	98.0076
6-MAM	6-MAM-D6	5.388	6776	26538	0.2553	10.3206
Phentermine	Phentermine-D5	6.026	145528	238901	0.6092	105.7572
Dextropropion	Dextropropion-D3	6.504	147485	118003	1.2498	98.5924
Tramadol	Tramadol-13C-D3	6.560	1226841	640113	1.9166	99.6699
7-aminoclonazepam	7-Aminoclonazepam-D4	6.554	172906	75033	2.3044	93.6213
Doxylamine	Doxylamine-D5	6.863	1112474	582878	1.9086	94.7549
Bupropion	Bupropion-D9	7.131	452778	223170	2.0289	102.6205
Zolpidem	Zolpidem-D6	7.163	899811	423248	2.1260	105.2328
Meprobamate	Meprobamate-D7	7.213	91490	50317	1.8183	97.4134
Venlafaxine	Venlafaxine-D6	7.305	1165156	532500	2.1881	100.2909
Trazodone	Trazodone-D6	7.335	697768	295904	2.3581	103.7750
Citalopram	Citalopram-D6	7.397	747248	343831	2.1733	100.2147
Dextromethorphan	Dextromethorphan-D3	7.408	162613	72632	2.2389	107.9817
Diphenhydramine	Diphenhydramine-D3	7.411	1048280	553656	1.8934	98.7671
Promethazine	Promethazine-D3	7.546	1129634	682445	1.6553	95.6323

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

a cal 5

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	101294	14307	7.0799	93.3749
Carisoprodol	Carisoprodol-D7	7.651	374796	202071	1.8548	97.3915
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	17523	15908	1.1016	55.4848
Lorazepam	Alprazolam-D5	7.681	36951	131322	0.2814	97.5735
Alprazolam	Alprazolam-D5	7.705	334767	131322	2.5492	97.3715



ISP FORENSICS - Cd'A Instrument # 62340

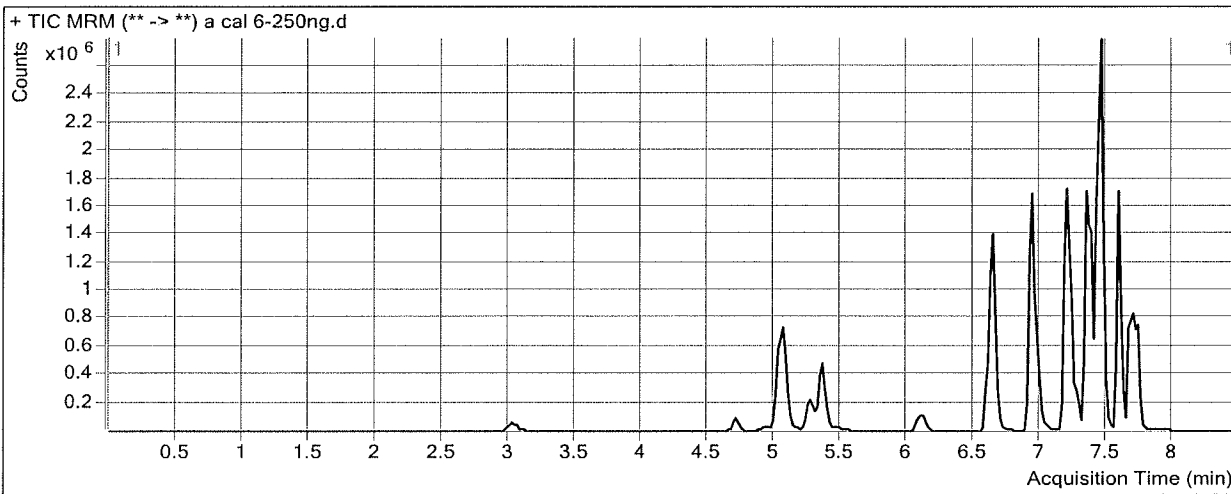
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 14:05	Data File	a cal 6-250ng.d
Sample Type	Calibration	Sample Name	a cal 6-250ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-F1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.828	41828	1651	25.3350	243.4537
Hydromorphone	Hydromorphone-D6	3.030	206995	27807	7.4440	255.5586
Codeine	Codeine-D6	4.713	105143	16491	6.3760	250.4039
Oxycodone	Oxycodone-D6	5.030	578496	91060	6.3529	246.1853
Amphetamine	Amphetamine-D11	5.064	1474467	81805	18.0243	240.5225
Hydrocodone	Hydrocodone-D6	5.275	403365	86097	4.6850	246.9992
Methamphetamine	Methamphetamine-D11	5.362	1268136	191015	6.6389	249.3437
Norhydrocodone	Norhydrocodone-D3	5.358	27457	28340	0.9688	236.7589
6-MAM	6-MAM-D6	5.489	17054	27582	0.6183	25.0028
Phentermine	Phentermine-D5	6.126	359997	242810	1.4826	257.2797
Dextroprphan	Dextroprphan-D3	6.603	374331	118889	3.1486	247.5970
Tramadol	Tramadol-13C-D3	6.643	3081222	618473	4.9820	259.3884
7-aminoclonazepam	7-Aminoclonazepam-D4	6.655	416640	68448	6.0870	245.3487
Doxylamine	Doxylamine-D5	6.943	3086143	623192	4.9522	244.3548
Bupropion	Bupropion-D9	7.191	978240	211199	4.6318	234.0322
Zolpidem	Zolpidem-D6	7.203	2306314	455496	5.0633	250.9498
Meprobamate	Meprobamate-D7	7.273	244068	54977	4.4394	236.1971
Venlafaxine	Venlafaxine-D6	7.346	2875376	496230	5.7944	266.2633
Trazodone	Trazodone-D6	7.375	1471506	297860	4.9403	217.2744
Citalopram	Citalopram-D6	7.417	1704127	253360	6.7261	309.7967
Dextromethorphan	Dextromethorphan-D3	7.448	415603	81548	5.0964	244.9932
Diphenhydramine	Diphenhydramine-D3	7.452	2498389	547186	4.5659	238.0957
Promethazine	Promethazine-D3	7.587	2590371	609246	4.2518	244.7352

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

a cal b

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.622	226025	13460	16.7920	220.7037
Carisoprodol	Carisoprodol-D7	7.691	916226	207613	4.4131	231.0101
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	79712	13682	5.8258	276.2238
Lorazepam	Alprazolam-D5	7.702	86272	120083	0.7184	249.4802
Alprazolam	Alprazolam-D5	7.725	773806	120083	6.4439	245.5739



ISP FORENSICS - Cd'A Instrument # 62340

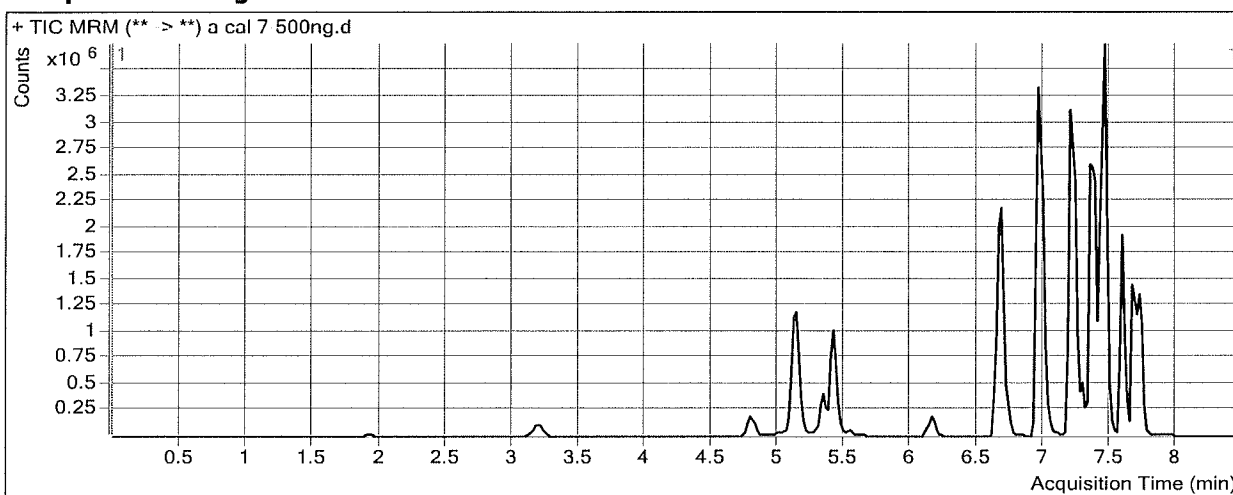
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin		
Analysis Time	9/27/2017 9:54 AM	Analyst Name	anord
Report Time	9/27/2017 10:01 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:54 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 14:31	Data File	a cal 7-500ng.d
Sample Type	Calibration	Sample Name	a cal 7-500ng
Dilution	1	Acq Method	Quant Panel 1a 8-8-17.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.928	64278	2012	31.9514	307.0465
Hydromorphone	Hydromorphone-D6	3.190	392650	24145	16.2619	557.8947
Codeine	Codeine-D6	4.793	217904	17426	12.5045	490.3627
Oxycodone	Oxycodone-D6	5.110	1189432	91292	13.0289	503.9284
Amphetamine	Amphetamine-D11	5.145	2399024	73423	32.6741	438.5753
Hydrocodone	Hydrocodone-D6	5.335	782144	77717	10.0639	530.2177
Methamphetamine	Methamphetamine-D11	5.421	2282924	165843	13.7656	517.7365
Norhydrocodone	Norhydrocodone-D3	5.437	62048	25912	2.3945	584.2245
6-MAM	6-MAM-D6	5.549	34356	27544	1.2473	50.4450
Phentermine	Phentermine-D5	6.166	619027	213944	2.8934	502.0088
Dextropropion	Dextropropion-D3	6.646	641046	91820	6.9815	548.3919
Tramadol	Tramadol-13C-D3	6.684	5369990	551987	9.7285	506.6988
7-aminoclonazepam	7-Aminoclonazepam-D4	6.697	764491	60028	12.7356	512.0441
Doxylamine	Doxylamine-D5	6.963	6282979	585241	10.7357	528.6327
Bupropion	Bupropion-D9	7.211	1642806	161057	10.2002	515.1503
Zolpidem	Zolpidem-D6	7.203	4587749	441525	10.3907	515.2336
Meprobamate	Meprobamate-D7	7.293	546480	57655	9.4784	502.9978
Venlafaxine	Venlafaxine-D6	7.346	4750761	442980	10.7246	493.1581
Trazodone	Trazodone-D6	7.375	2433929	232139	10.4848	460.9851
Citalopram	Citalopram-D6	7.417	2359590	218586	10.7948	497.0932
Dextromethorphan	Dextromethorphan-D3	7.448	545373	50580	10.7823	517.6117
Diphenhydramine	Diphenhydramine-D3	7.452	3854129	396110	9.7299	507.3190
Promethazine	Promethazine-D3	7.587	3233903	330799	9.7760	561.9653

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

a cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.622	382893	10034	38.1579	500.8168
Carisoprodol	Carisoprodol-D7	7.671	1684670	164979	10.2114	533.8430
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	151139	13217	11.4352	538.3181
Lorazepam	Alprazolam-D5	7.702	135599	103133	1.3148	456.7544
Alprazolam	Alprazolam-D5	7.705	1385918	103133	13.4382	511.7188



ISP FORENSICS - Cd'A Instrument # 62340

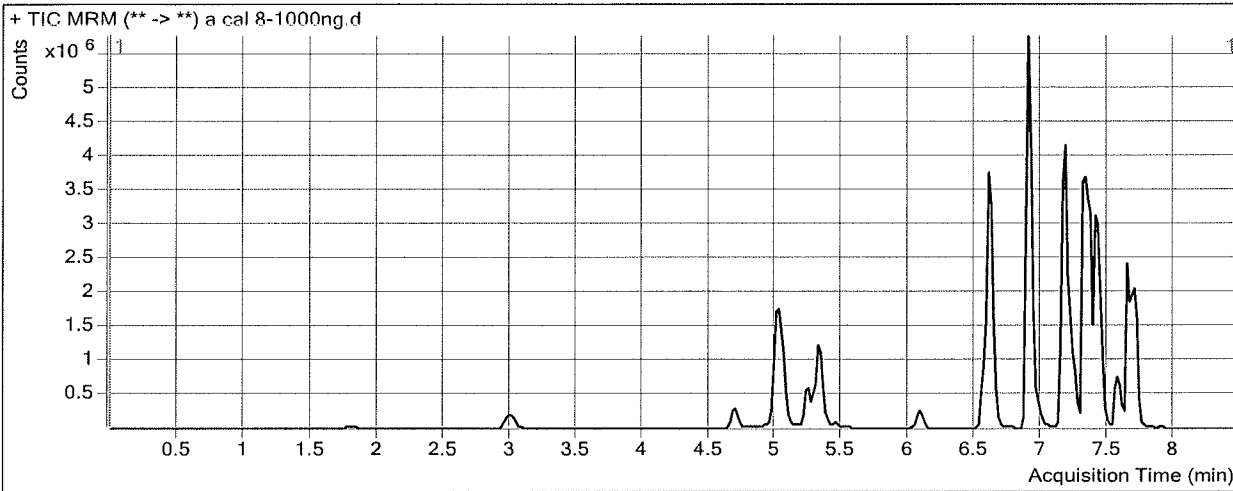
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1a.batch.bin
Analysis Time 9/27/2017 9:54 AM **Analyst Name** anord
Report Time 9/27/2017 10:01 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:54 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 14:56 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** Quant Panel 1a 8-8-17.m
Position P1-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.808	146057	1395	104.7168	1006.4167
Hydromorphone	Hydromorphone-D6	3.010	724343	22962	31.5449	1081.8962
Codeine	Codeine-D6	4.693	368933	14253	25.8840	1014.2260
Oxycodone	Oxycodone-D6	5.010	2169751	83118	26.1043	1008.7415
Amphetamine	Amphetamine-D11	5.044	3344259	59043	56.6411	762.5898
Hydrocodone	Hydrocodone-D6	5.255	1412002	76425	18.4758	973.1274
Methamphetamine	Methamphetamine-D11	5.322	3275579	123395	26.5455	999.0332
Norhydrocodone	Norhydrocodone-D3	5.338	103764	22567	4.5981	1121.2775
6-MAM	6-MAM-D6	5.448	65269	25282	2.5816	104.4123
Phentermine	Phentermine-D5	6.086	948125	175441	5.4042	937.5661
Dextroprphan	Dextroprphan-D3	6.563	936324	74300	12.6020	989.4614
Tramadol	Tramadol-13C-D3	6.600	10264763	542992	18.9041	984.7831
7-aminoclonazepam	7-Aminoclonazepam-D4	6.614	1183369	47469	24.9292	1001.1592
Doxylamine	Doxylamine-D5	6.902	10559740	527804	20.0070	984.3398
Bupropion	Bupropion-D9	7.151	2216129	115673	19.1586	967.4164
Zolpidem	Zolpidem-D6	7.183	7917782	400947	19.7477	979.4210
Meprobamate	Meprobamate-D7	7.253	892497	46585	19.1583	1015.5217
Venlafaxine	Venlafaxine-D6	7.305	8568302	399101	21.4690	987.6425
Trazodone	Trazodone-D6	7.355	4516061	170032	26.5600	1167.5737
Citalopram	Citalopram-D6	7.397	2363559	108538	21.7764	1002.6169
Dextromethorphan	Dextromethorphan-D3	7.408	419412	19505	21.5023	1031.5968
Diphenhydramine	Diphenhydramine-D3	7.432	3284770	163519	20.0880	1047.3254
Promethazine	Promethazine-D3	7.566	1479384	83366	17.7456	1019.6156

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

a cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Clonazepam	Clonazepam-D4	7.582	645866	8209	78.6773	1032.0399
Carisoprodol	Carisoprodol-D7	7.651	2553710	132305	19.3016	1008.6079
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.660	160931	10335	15.5708	731.5512
Lorazepam	Alprazolam-D5	7.681	253713	80787	3.1405	1091.3118
Alprazolam	Alprazolam-D5	7.684	2176189	80787	26.9374	1025.3894



ISP FORENSICS - Cd'A Instrument # 62340

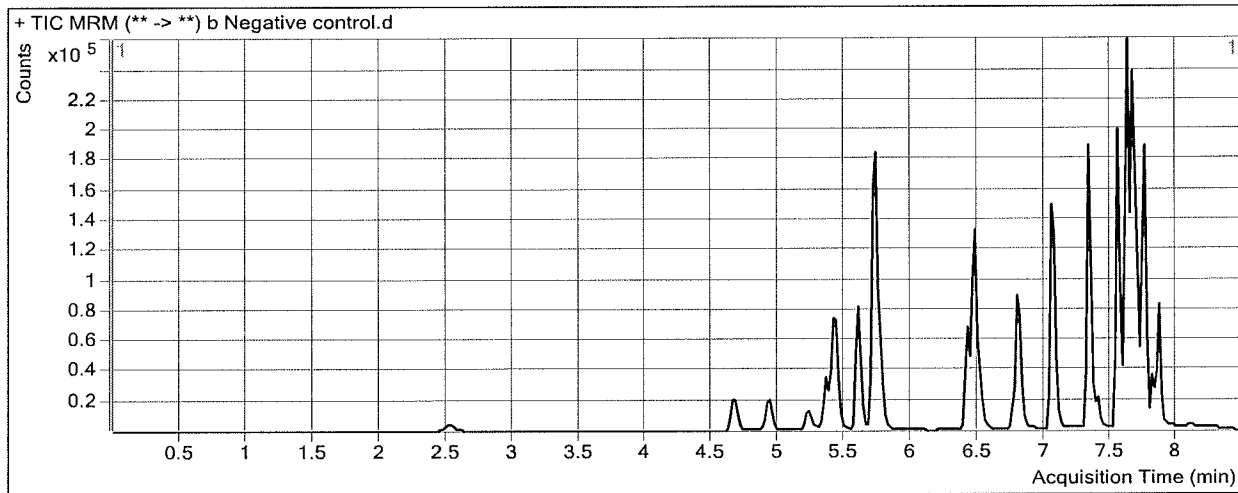
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 15:47 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

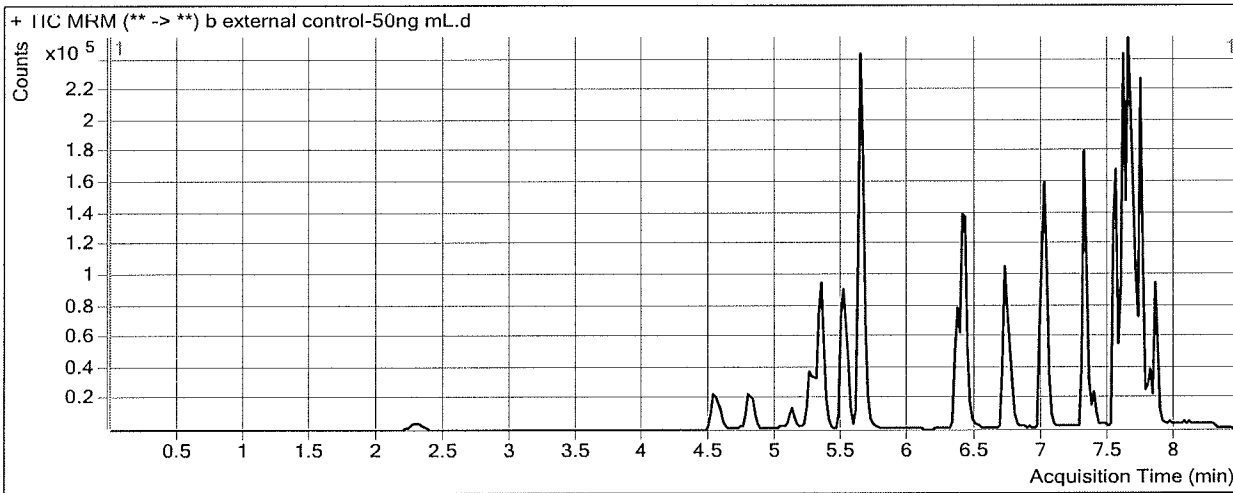
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 16:12 **Data File** b external control-50ng mL.d
Sample Type Sample **Sample Name** b external control-50ng mL
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28: lot 21718 50 ng oxazepam

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxazepam	Oxazepam-D5	7.689	38295	57839	0.6621	29.8793

ISP FORENSICS - Cd'A Instrument # 62340

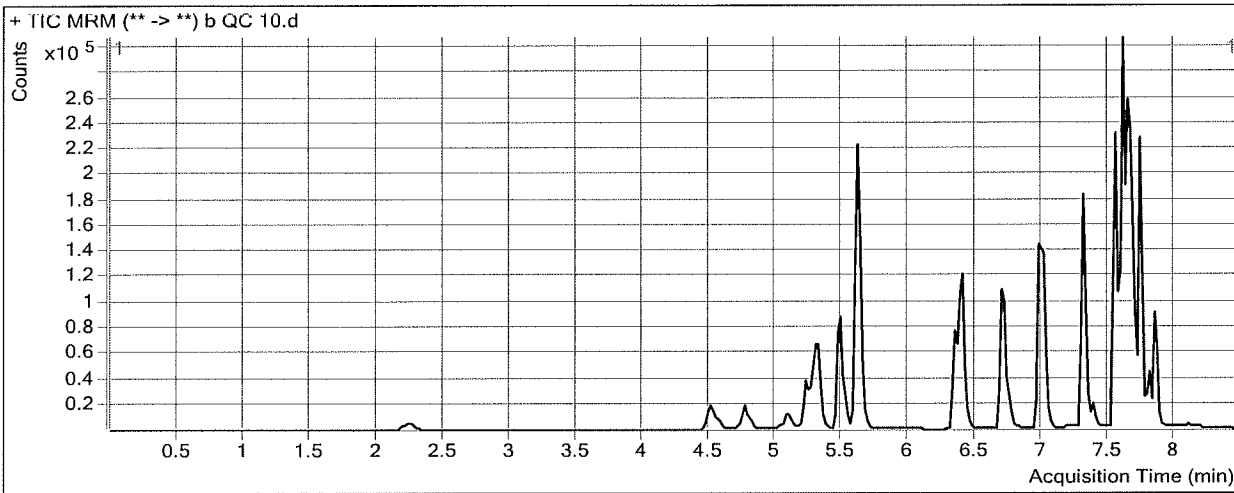
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin		
Analysis Time	9/27/2017 9:18 AM	Analyst Name	anord
Report Time	9/27/2017 10:09 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:18 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 16:38	Data File	b QC 10.d
Sample Type	QC	Sample Name	b QC 10
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-A2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.269	5556	26356	0.2108	10.2668
Dihydrocodeine	Dihydrocodeine-D6	4.556	11955	68890	0.1735	9.0990
Naloxone	Naloxone-D5	4.810	8028	67695	0.1186	11.7489
Noroxycodone	Noroxycodone-D3	5.117	7998	37805	0.2116	10.0494
Naltrexone	Naltrexone-D3	5.251	18157	91606	0.1982	9.6219
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.364	4872	242953	0.0201	0.9197
Naltrexol	Naltrexol-D3	5.490	49225	213454	0.2306	9.1171
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.619	115384	572097	0.2017	9.5967
Ketamine	Ketamine-D4	6.359	40191	181022	0.2220	9.3994
Norfentanyl	Norfentanyl-D5	6.423	5823	334801	0.0174	1.0794
alpha-PVP	alpha-PVP-d8	6.708	62279	273727	0.2275	9.9994
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.002	7878	443087	0.0178	0.9472
Norbuprenorphine	Norbuprenorphine-D3	7.294	194	11734	0.0165	0.5060
Fentanyl	Fentanyl-D5	7.298	8005	427198	0.0187	1.0370
EDDP	EDDP-D3	7.388	5509	29555	0.1864	10.3514
Sufentanil	Sufentanil-D5	7.538	5431	256692	0.0212	0.9246
Quetiapine	Quetiapine-D8	7.539	108428	149965	0.7230	9.3318
Cyclobenzaprine	Cyclobenzaprine-D3	7.592	32725	159720	0.2049	9.7491
Methadone	Methadone-D9	7.602	70617	439010	0.1609	10.4015
Fluoxetine	Fluoxetine-D6	7.664	85486	442711	0.1931	11.1083
Oxazepam	Oxazepam-D5	7.689	10698	49284	0.2171	10.7813
Buprenorphine	Buprenorphine-D4	7.695	2148	80870	0.0266	1.1012
Sertraline	Sertraline-D3	7.725	19392	107403	0.1806	9.7659

not evaluated
5/W out

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

b QC 10

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.727	48297	243197	0.1986	10.6697
Nordiazepam	Nordiazepam-D5	7.815	19125	65065	0.2939	8.6356
Diazepam	Diazepam-D5	7.870	33109	137235	0.2413	9.9351



ISP FORENSICS - Cd'A Instrument # 62340

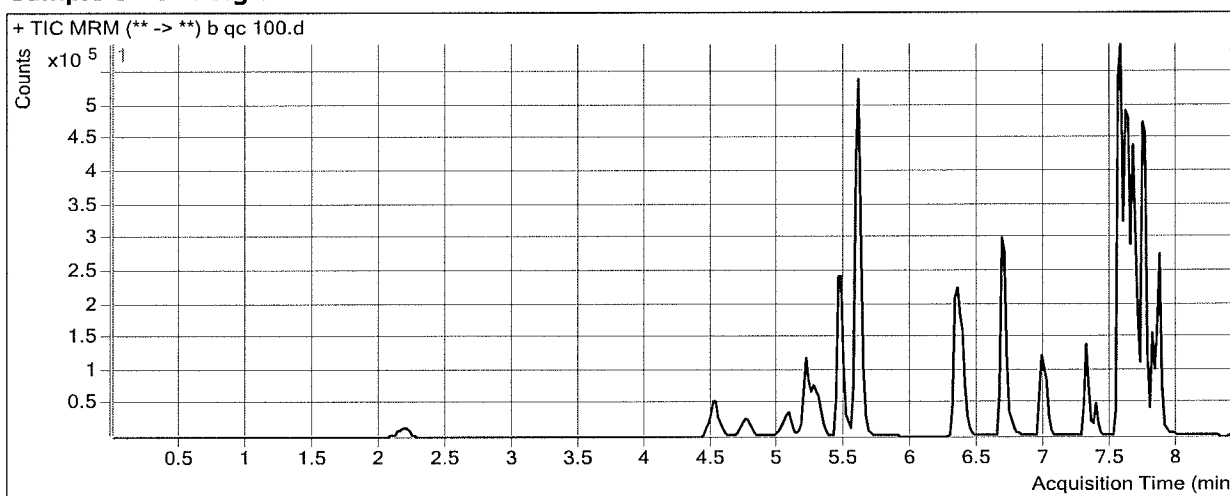
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 20:00 **Data File** b qc 100.d
Sample Type QC **Sample Name** b qc 100
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-B2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.189	53937	25579	2.1086	90.7062
Dihydrocodeine	Dihydrocodeine-D6	4.535	122808	66647	1.8427	100.0374
Naloxone	Naloxone-D5	4.768	68892	64488	1.0683	103.1656
Noroxycodone	Noroxycodone-D3	5.078	75432	37367	2.0187	89.9736
Naltrexone	Naltrexone-D3	5.211	162292	81415	1.9934	94.3688
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.324	49979	236256	0.2115	9.0587
Naltrexol	Naltrexol-D3	5.470	468935	190897	2.4565	97.7073
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.601	1131254	556470	2.0329	98.3018
Ketamine	Ketamine-D4	6.339	401399	178798	2.2450	92.8155
Norfentanyl	Norfentanyl-D5	6.402	60244	335537	0.1795	9.0532
alpha-PVP	alpha-PVP-d8	6.688	546133	247669	2.2051	91.9314
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.002	52268	280649	0.1862	9.1010
Norbuprenorphine	Norbuprenorphine-D3	7.294	1965	8534	0.2303	10.5540
Fentanyl	Fentanyl-D5	7.298	48140	245075	0.1964	9.4511
EDDP	EDDP-D3	7.388	49727	24053	2.0674	94.8475
Sufentanil	Sufentanil-D5	7.538	31143	144999	0.2148	9.4916
Quetiapine	Quetiapine-D8	7.559	884905	104872	8.4379	106.1553
Cyclobenzaprine	Cyclobenzaprine-D3	7.592	218747	96521	2.2663	92.5825
Methadone	Methadone-D9	7.622	433331	276775	1.5656	89.4800
Fluoxetine	Fluoxetine-D6	7.664	537759	289327	1.8587	89.9884
Oxazepam	Oxazepam-D5	7.709	87200	37427	2.3298	101.4492
Buprenorphine	Buprenorphine-D4	7.695	10686	51031	0.2094	9.4452
Sertraline	Sertraline-D3	7.725	136182	74596	1.8256	88.7706

★
Not conducted
✱

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	494752	256930	1.9256	98.2038
Nordiazepam	Nordiazepam-D5	7.815	168363	56797	2.9643	96.3087
Diazepam	Diazepam-D5	7.870	285017	118898	2.3972	91.5529



ISP FORENSICS - Cd'A Instrument # 62340

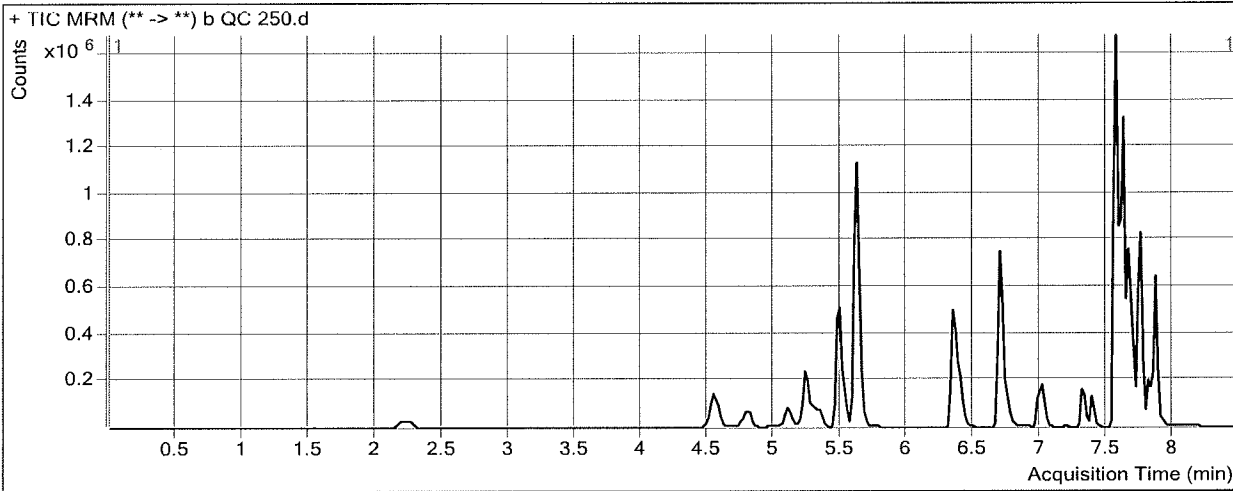
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 22:57 **Data File** b QC 250.d
Sample Type QC **Sample Name** b QC 250
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-C2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.229	143126	25597	5.5916	238.3304
Dihydrocodeine	Dihydrocodeine-D6	4.556	313200	67236	4.6582	253.4369
Naloxone	Naloxone-D5	4.790	191828	62672	3.0608	294.9624
Noroxycodone	Noroxycodone-D3	5.098	193477	35768	5.4092	239.9264
Naltrexone	Naltrexone-D3	5.231	398789	76796	5.1929	245.4111
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	124922	217909	0.5733	24.4336
Naltrexol	Naltrexol-D3	5.490	1133858	186041	6.0947	242.5082
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.619	2854265	562327	5.0758	245.7006
Ketamine	Ketamine-D4	6.339	1016678	176156	5.7714	238.2281
Norfentanyl	Norfentanyl-D5	6.402	173311	355401	0.4876	24.2044
alpha-PVP	alpha-PVP-d8	6.708	1496401	257700	5.8067	241.1511
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.002	147076	304544	0.4829	23.4620
Norbuprenorphine	Norbuprenorphine-D3	7.294	3662	8177	0.4478	20.7777
Fentanyl	Fentanyl-D5	7.318	120913	237907	0.5082	24.2162
EDDP	EDDP-D3	7.388	197213	35424	5.5672	252.0587
Sufentanil	Sufentanil-D5	7.538	82984	147892	0.5611	24.8149
Quetiapine	Quetiapine-D8	7.559	2460341	133174	18.4746	232.1179
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	538014	93067	5.7810	233.8088
Methadone	Methadone-D9	7.622	1202771	294050	4.0904	231.6011
Fluoxetine	Fluoxetine-D6	7.664	1119291	134435	8.3259	396.2736
Oxazepam	Oxazepam-D5	7.709	125303	23446	5.3444	230.8152
Buprenorphine	Buprenorphine-D4	7.695	28919	51290	0.5638	25.6189
Sertraline	Sertraline-D3	7.725	338246	65759	5.1437	248.1244

outside curve limit

Not evaluated

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

b Qc 250

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	852530	174270	4.8920	248.5532
Nordiazepam	Nordiazepam-D5	7.815	272752	36805	7.4108	242.2946
Diazepam	Diazepam-D5	7.870	713653	115975	6.1535	233.7598

ISP FORENSICS - Cd'A Instrument # 62340

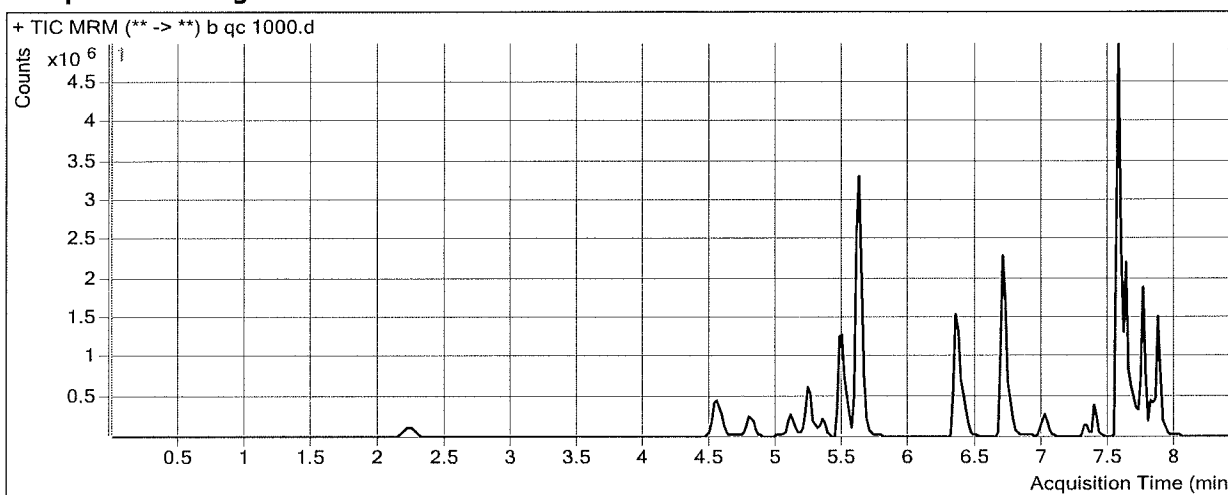
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 23:23 **Data File** b qc 1000.d
Sample Type QC **Sample Name** b qc 1000
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.229	580468	24843	23.3657	991.6857
Dihydrocodeine	Dihydrocodeine-D6	4.556	1136197	66708	17.0324	927.6162
Naloxone	Naloxone-D5	4.790	724209	58487	12.3824	1192.2371 outside curve limit
Noroxycodone	Noroxycodone-D3	5.098	658639	31987	20.5911	911.3848
Naltrexone	Naltrexone-D3	5.231	1164844	55764	20.8889	986.3926
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.344	502428	192306	2.6126	111.1136
Naltrexol	Naltrexol-D3	5.490	3397542	140574	24.1691	961.8738
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.619	10290784	495700	20.7601	1005.4522
Ketamine	Ketamine-D4	6.339	3751406	158878	23.6118	973.8706
Norfentanyl	Norfentanyl-D5	6.423	675721	310151	2.1787	107.3609
alpha-PVP	alpha-PVP-d8	6.708	5242474	221795	23.6366	979.8559
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.002	383454	194535	1.9711	95.4938
Norbuprenorphine	Norbuprenorphine-D3	7.294	7136	3578	1.9943	93.4764
Fentanyl	Fentanyl-D5	7.318	181167	89636	2.0211	95.8562
EDDP	EDDP-D3	7.388	672980	29385	22.9019	1030.7442
Sufentanil	Sufentanil-D5	7.538	127352	55845	2.2805	100.8872
Quetiapine	Quetiapine-D8	7.559	7885829	101961	77.3417	970.9116
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	543527	23287	23.3408	939.4063
Methadone	Methadone-D9	7.622	2120156	123375	17.1846	968.7039
Fluoxetine	Fluoxetine-D6	7.664	837917	41451	20.2145	959.3151 Not evaluated *
Oxazepam	Oxazepam-D5	7.709	405078	16604	24.3970	1048.4450
Buprenorphine	Buprenorphine-D4	7.695	28856	13437	2.1475	97.8889
Sertraline	Sertraline-D3	7.725	244236	11193	21.8199	1049.0111

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

b QC 1000

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	2686735	108008	24.8753	1261.3943
Nordiazepam	Nordiazepam-D5	7.835	663367	20423	32.4819	1065.4311
Diazepam	Diazepam-D5	7.870	2053049	81863	25.0791	950.2438



ISP Forensics Calibration Curve Report

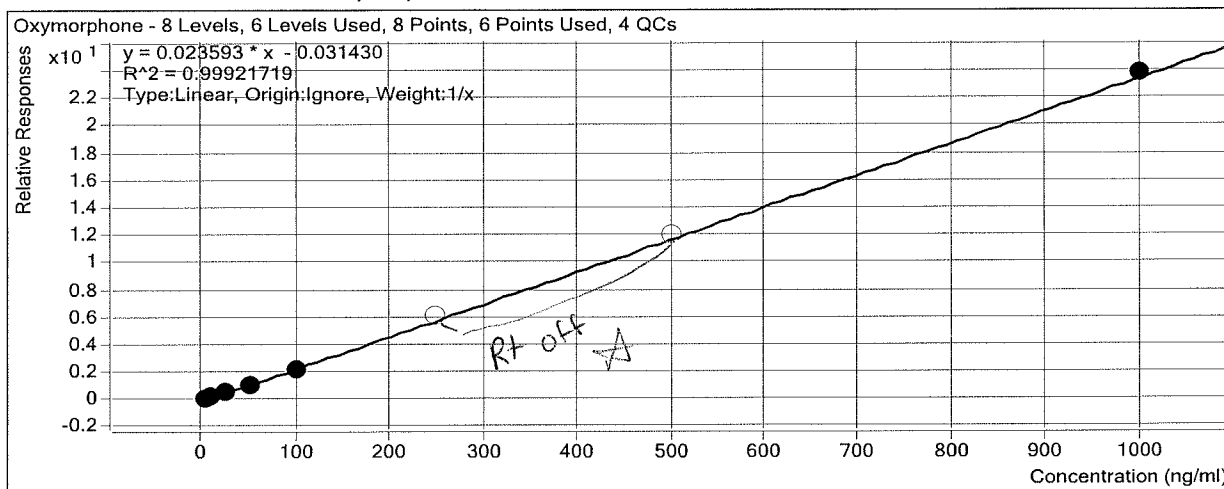
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.6	112.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.8	93.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.6	93.6
b qc 100	5	<input checked="" type="checkbox"/>	100	90.7	90.7
b cal 6-250ng	6	<input type="checkbox"/>	250	261.6	104.6
b QC 250	6	<input type="checkbox"/>	250	238.3	95.3
b cal 7-500ng	7	<input type="checkbox"/>	500	510.4	102.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1009.8	101.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	991.7	99.2

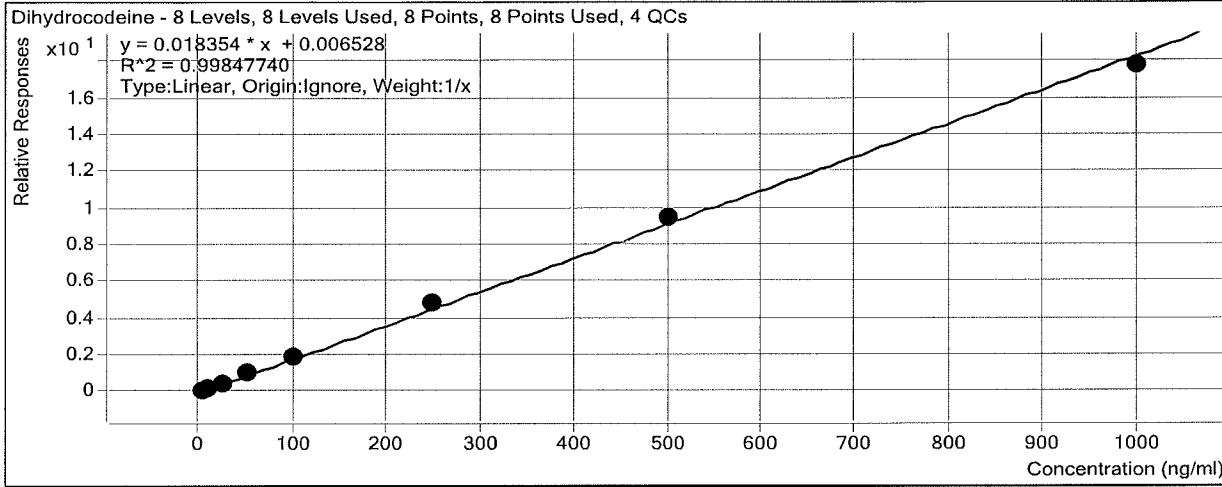
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



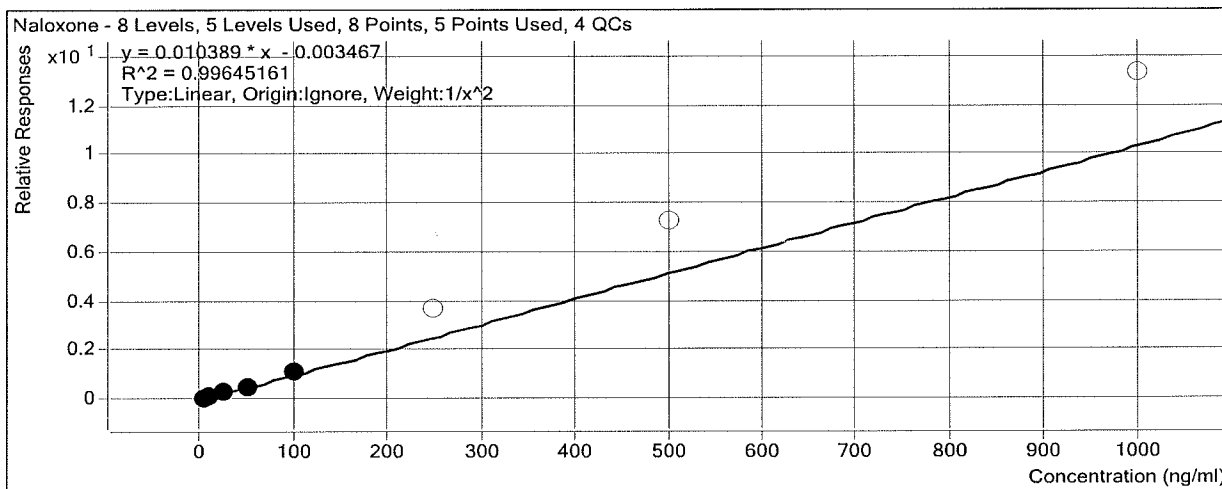
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.5	90.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.7	105.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.8	104.8
b qc 100	5	<input checked="" type="checkbox"/>	100	100.0	100.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.0	104.0
b QC 250	6	<input checked="" type="checkbox"/>	250	253.4	101.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	518.3	103.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	965.5	96.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	927.6	92.8

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.1	101.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
b QC 10	2	<input checked="" type="checkbox"/>	10	11.7	117.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	96.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b qc 100	5	<input checked="" type="checkbox"/>	100	103.2	103.2
b cal 6-250ng	6	<input type="checkbox"/>	250	353.5	141.4
b QC 250	6	<input type="checkbox"/>	250	295.0	118.0
b cal 7-500ng	7	<input type="checkbox"/>	500	703.8	140.8
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1281.8	128.2
b qc 1000	8	<input type="checkbox"/>	1000	1192.2	119.2

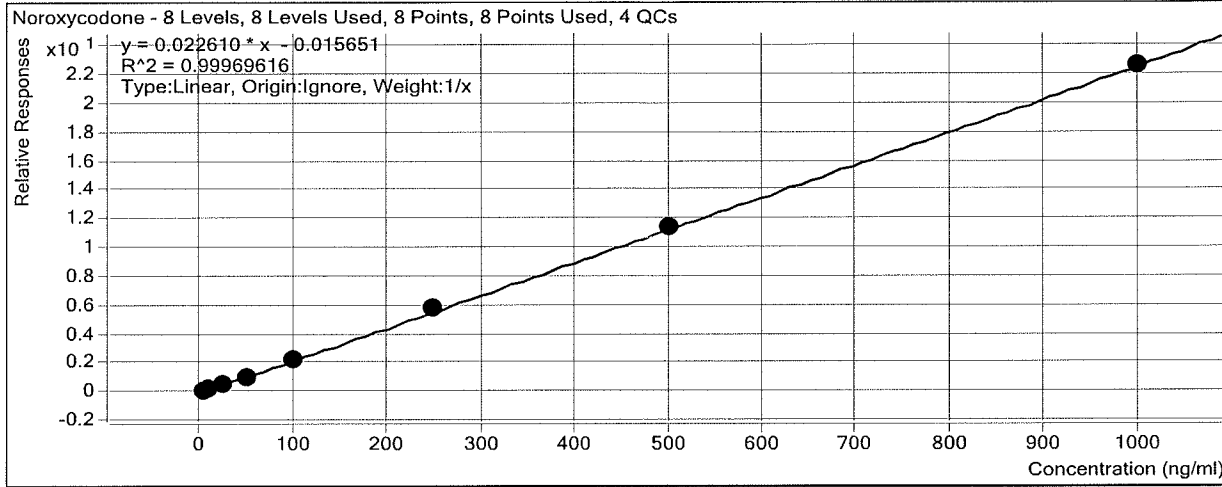
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.5	110.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	103.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.8	91.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	93.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.6	99.6
b qc 100	5	<input checked="" type="checkbox"/>	100	90.0	90.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	254.6	101.8
b QC 250	6	<input checked="" type="checkbox"/>	250	239.9	96.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.1	100.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	998.1	99.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	911.4	91.1

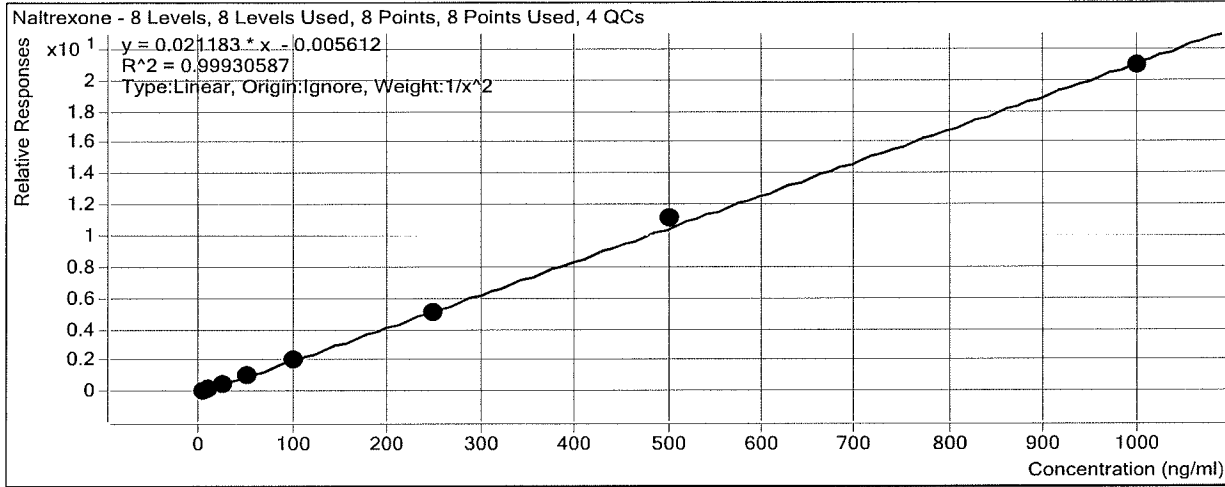
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.0	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.8	98.8
b qc 100	5	<input checked="" type="checkbox"/>	100	94.4	94.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.7	97.5
b QC 250	6	<input checked="" type="checkbox"/>	250	245.4	98.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	524.2	104.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	987.4	98.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	986.4	98.6

ISP Forensics Calibration Curve Report

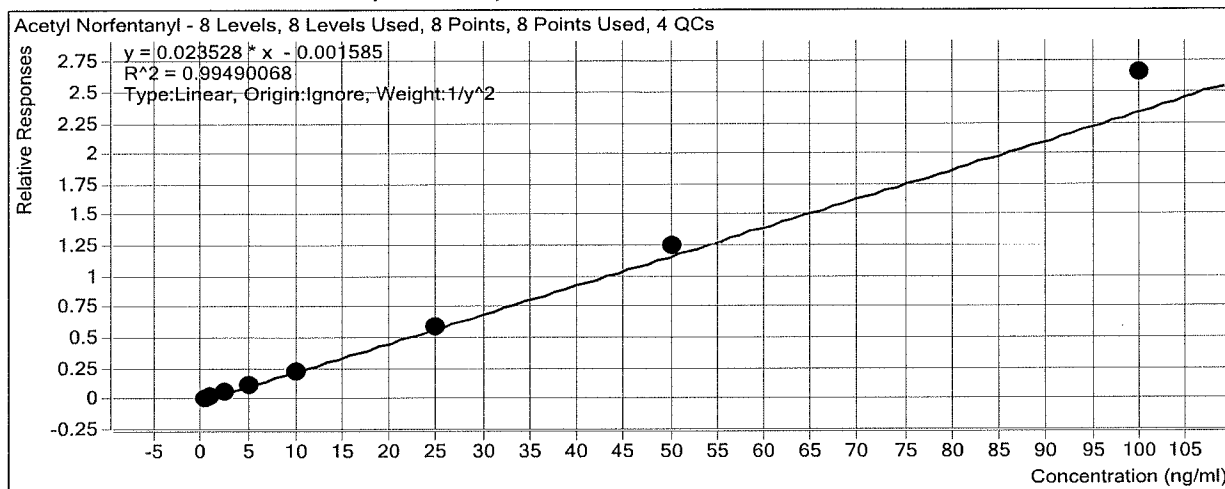
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

Target Compound Acetyl Norfentanyl

Internal Standard Acetyl Norfentanyl-D5



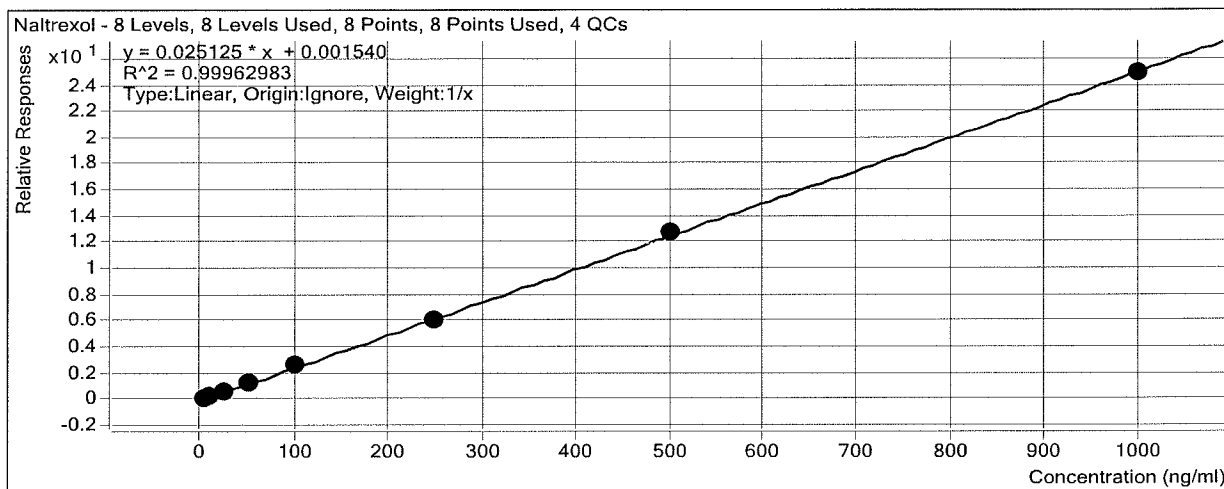
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	100.6
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	102.0
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	92.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	96.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.6	92.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.6	95.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.1	90.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.0	99.8
b QC 250	6	<input checked="" type="checkbox"/>	25	24.4	97.7
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	52.9	105.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	112.9	112.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	111.1	111.1

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	4.7	94.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.1	91.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	102.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.9	103.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
b qc 100	5	<input checked="" type="checkbox"/>	100	97.7	97.7
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.4	97.8
b QC 250	6	<input checked="" type="checkbox"/>	250	242.5	97.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	510.8	102.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.9	99.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	961.9	96.2

ISP Forensics Calibration Curve Report

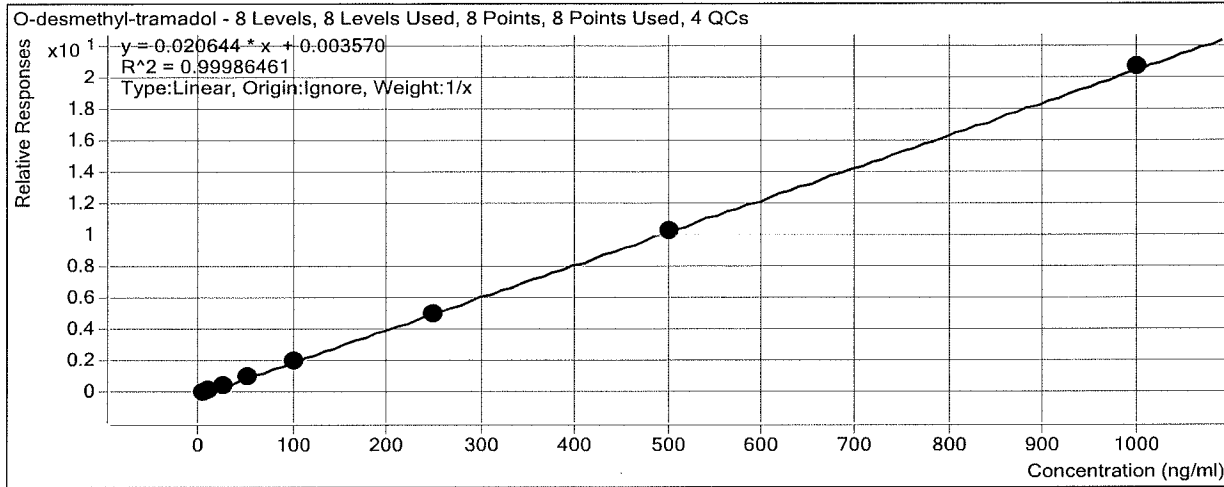
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

Target Compound *O-desmethyl-tramadol*

Internal Standard *O-desmethyl-tramadol-D6*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.9	97.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.0
b QC 10	2	<input checked="" type="checkbox"/>	10	9.6	96.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.7	103.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.7	101.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b qc 100	5	<input checked="" type="checkbox"/>	100	98.3	98.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	243.4	97.4
b QC 250	6	<input checked="" type="checkbox"/>	250	245.7	98.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.7	100.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1003.2	100.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1005.5	100.5

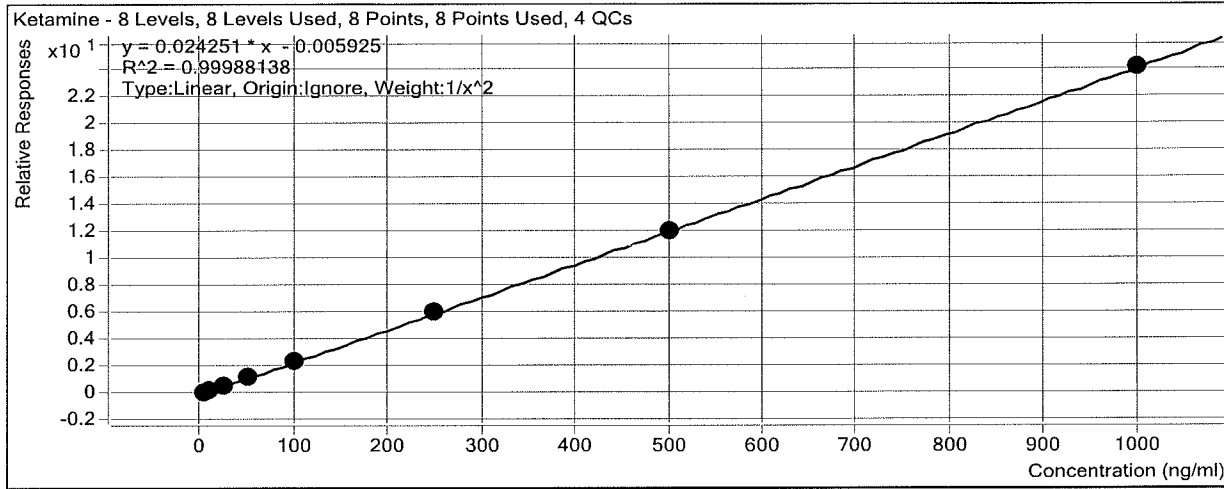
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.0	100.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.4	94.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.3	98.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
b qc 100	5	<input checked="" type="checkbox"/>	100	92.8	92.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.7	100.7
b QC 250	6	<input checked="" type="checkbox"/>	250	238.2	95.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.9	99.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.3	99.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	973.9	97.4

ISP Forensics Calibration Curve Report

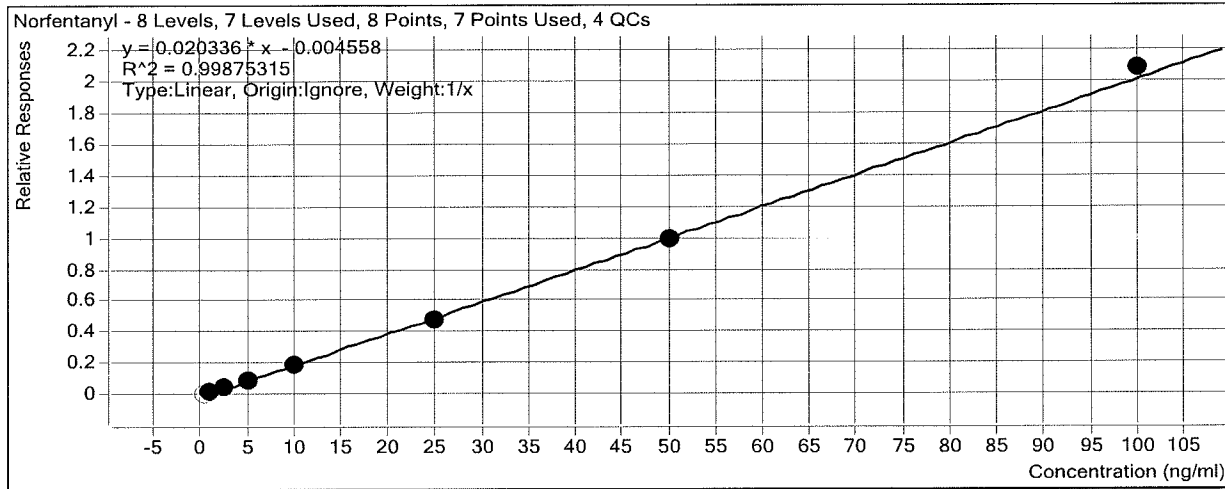
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

Target Compound *Norfentanyl*

Internal Standard *Norfentanyl-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.6	129.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	113.7
b QC 10	2	<input checked="" type="checkbox"/>	1	1.1	107.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	96.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.5	94.8
b qc 100	5	<input checked="" type="checkbox"/>	10	9.1	90.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.7	94.6
b QC 250	6	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.2	98.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.7	102.7
b qc 1000	8	<input checked="" type="checkbox"/>	100	107.4	107.4

ISP Forensics Calibration Curve Report

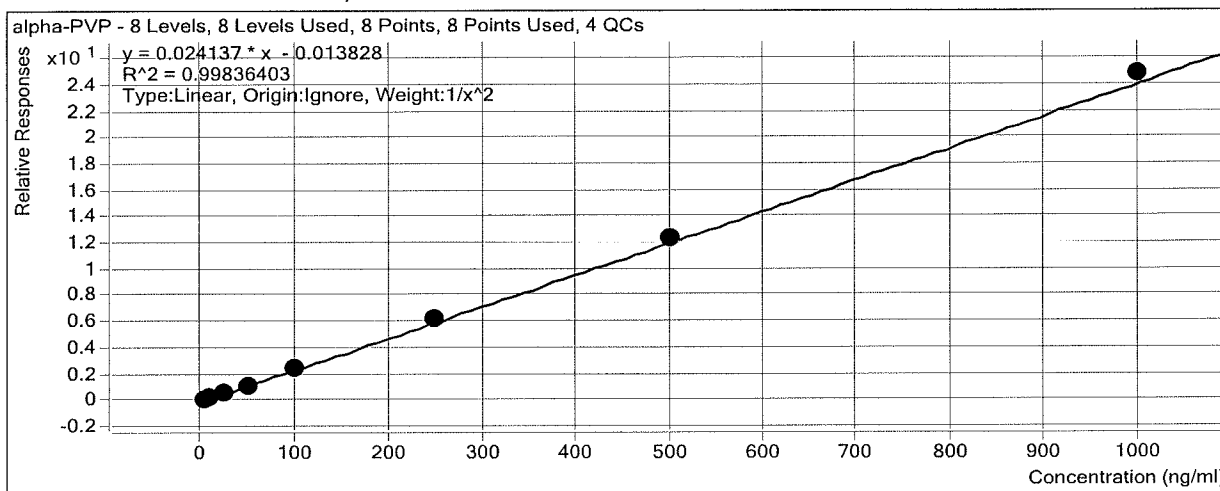
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.1	101.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.7	94.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	98.7	98.7
b qc 100	5	<input checked="" type="checkbox"/>	100	91.9	91.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	260.4	104.1
b QC 250	6	<input checked="" type="checkbox"/>	250	241.2	96.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.5	103.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1026.4	102.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	979.9	98.0

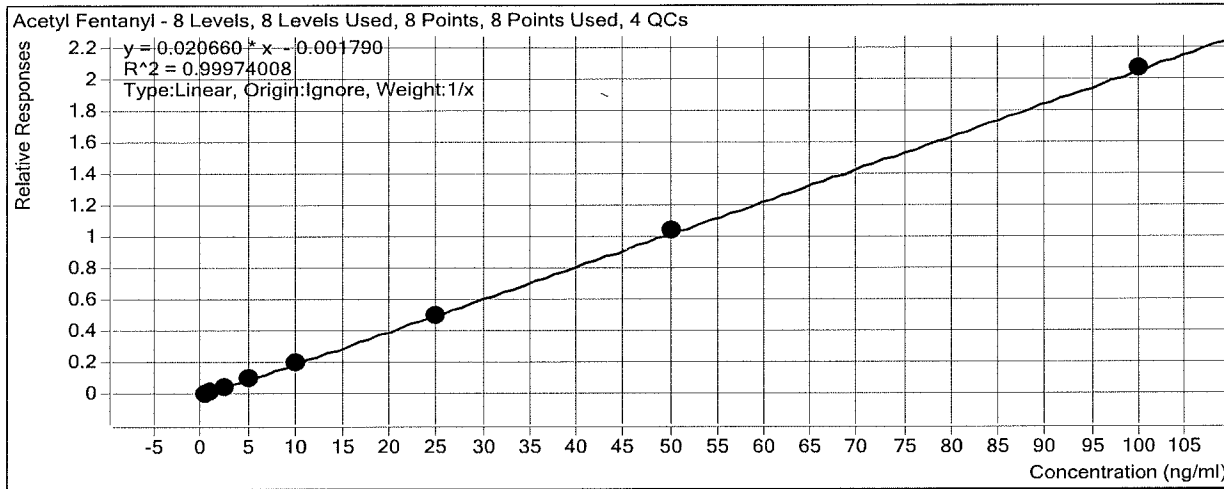
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

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



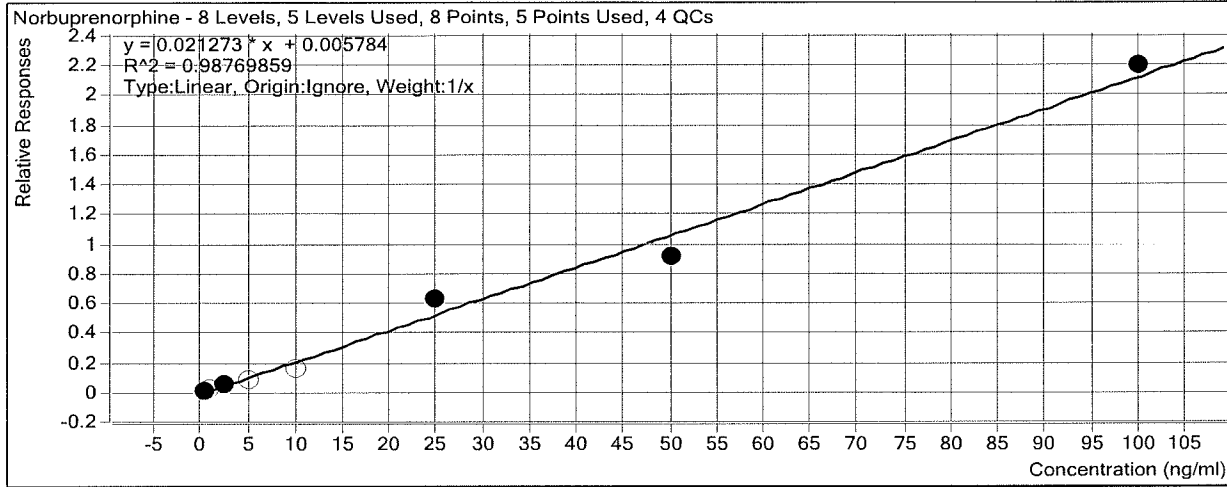
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	110.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	98.2
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	94.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	99.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	97.4
b qc 100	5	<input checked="" type="checkbox"/>	10	9.1	91.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.5	98.1
b QC 250	6	<input checked="" type="checkbox"/>	25	23.5	93.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.8	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.2	100.2
b qc 1000	8	<input checked="" type="checkbox"/>	100	95.5	95.5

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM **Analyst Name** ISP TOX

Target Compound Norbuprenorphine
Internal Standard Norbuprenorphine-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	109.4
b cal 2-10ng	2	<input type="checkbox"/>	1	1.0	97.7
b QC 10	2	<input type="checkbox"/>	1	0.5	50.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.1	83.5
b cal 4-50ng	4	<input type="checkbox"/>	5	4.0	80.8
b cal 5-100ng	5	<input type="checkbox"/>	10	7.5	75.3
b qc 100	5	<input type="checkbox"/>	10	10.6	105.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	29.7	118.7
b QC 250	6	<input checked="" type="checkbox"/>	25	20.8	83.1
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	42.7	85.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.0	103.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	93.5	93.5

dropped points due to flat tops on peaks

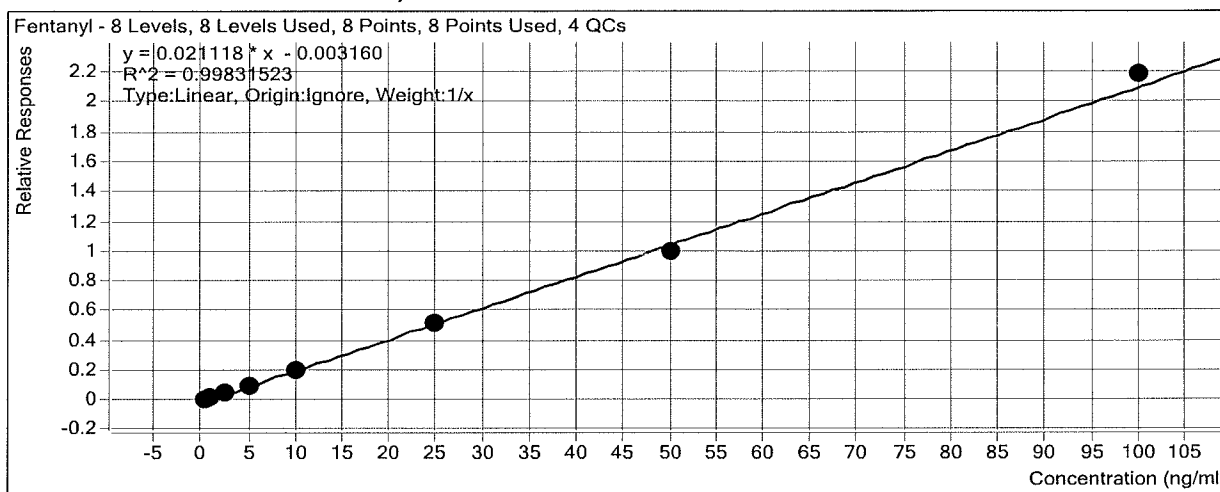
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

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



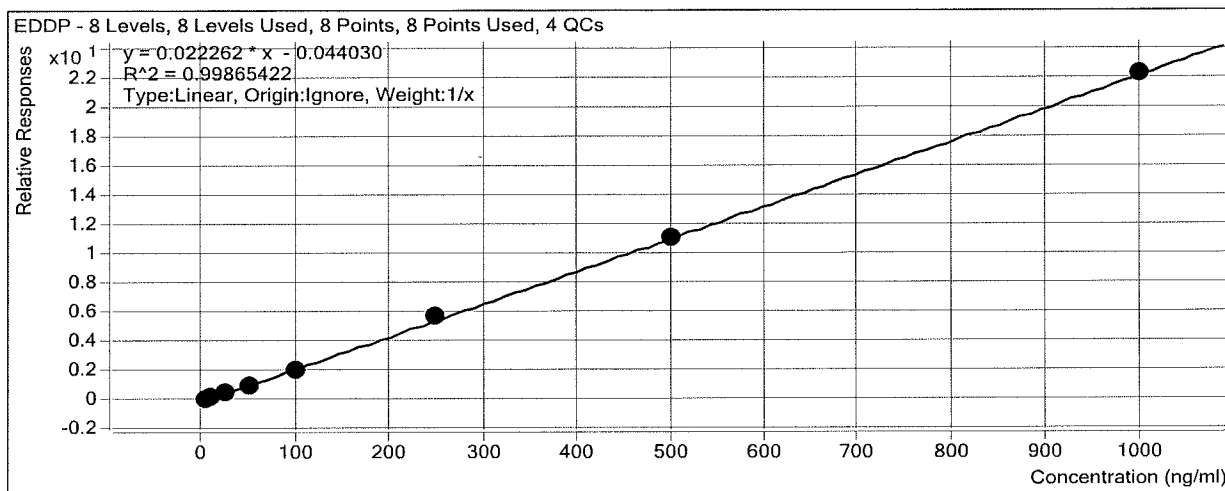
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.6	119.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	96.4
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	103.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.4	95.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.7	94.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	96.7
b qc 100	5	<input checked="" type="checkbox"/>	10	9.5	94.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.8	99.1
b QC 250	6	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.5	94.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	103.4	103.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	95.9	95.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	6.2	124.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.6
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	41.4	82.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	96.1	96.1
b qc 100	5	<input checked="" type="checkbox"/>	100	94.8	94.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.9	103.9
b QC 250	6	<input checked="" type="checkbox"/>	250	252.1	100.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.9	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	999.6	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1030.7	103.1

ISP Forensics Calibration Curve Report

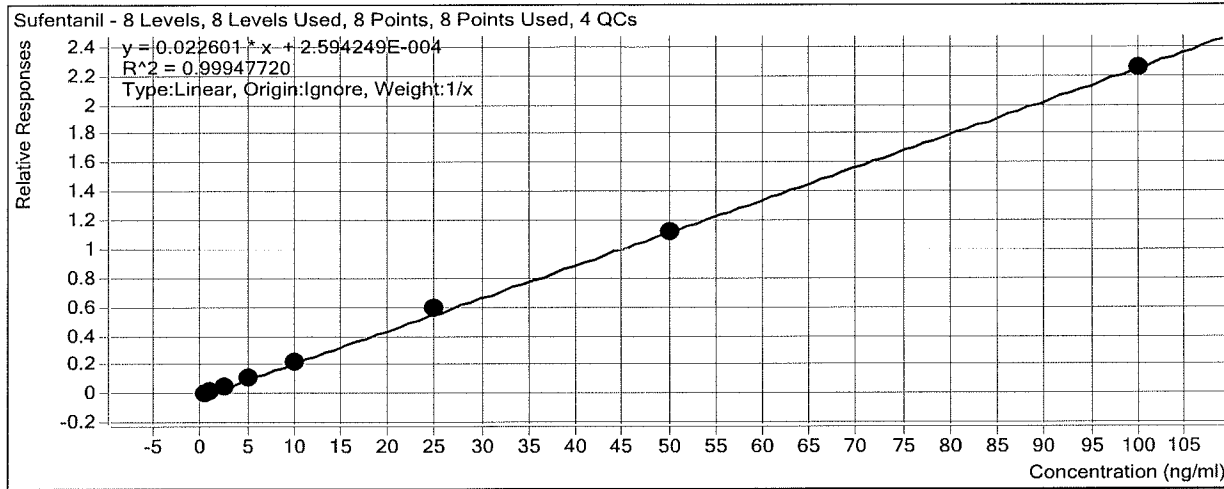
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

Target Compound Sufentanil

Internal Standard Sufentanil-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	101.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.1	105.0
b QC 10	2	<input checked="" type="checkbox"/>	1	0.9	92.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.3	91.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	100.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.7	97.3
b qc 100	5	<input checked="" type="checkbox"/>	10	9.5	94.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	26.2	104.9
b QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	99.5	99.5
b qc 1000	8	<input checked="" type="checkbox"/>	100	100.9	100.9

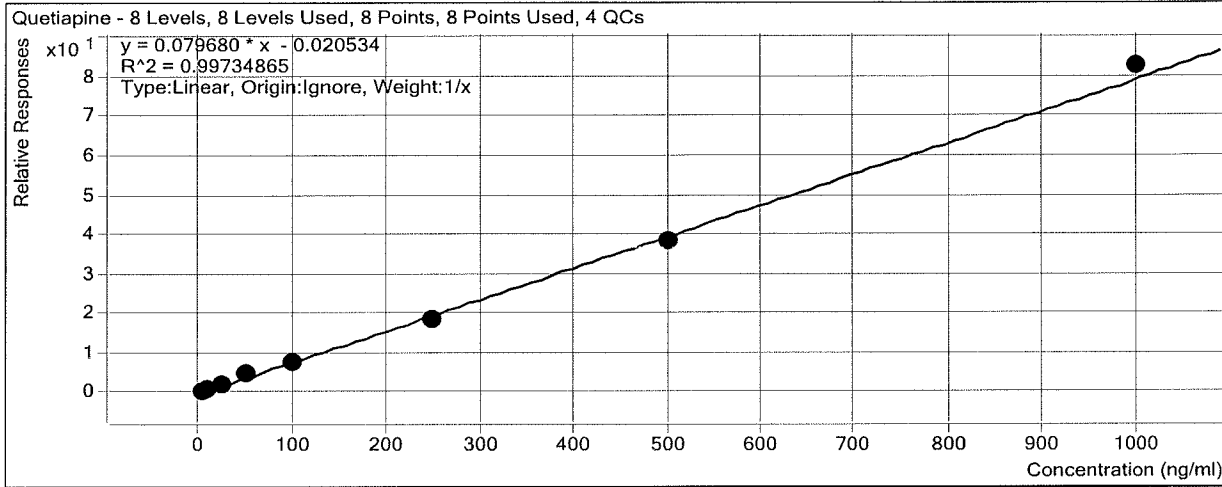
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.3
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	56.0	111.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.9	94.9
b qc 100	5	<input checked="" type="checkbox"/>	100	106.2	106.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	228.3	91.3
b QC 250	6	<input checked="" type="checkbox"/>	250	232.1	92.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.2	96.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1036.6	103.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	970.9	97.1

ISP Forensics Calibration Curve Report

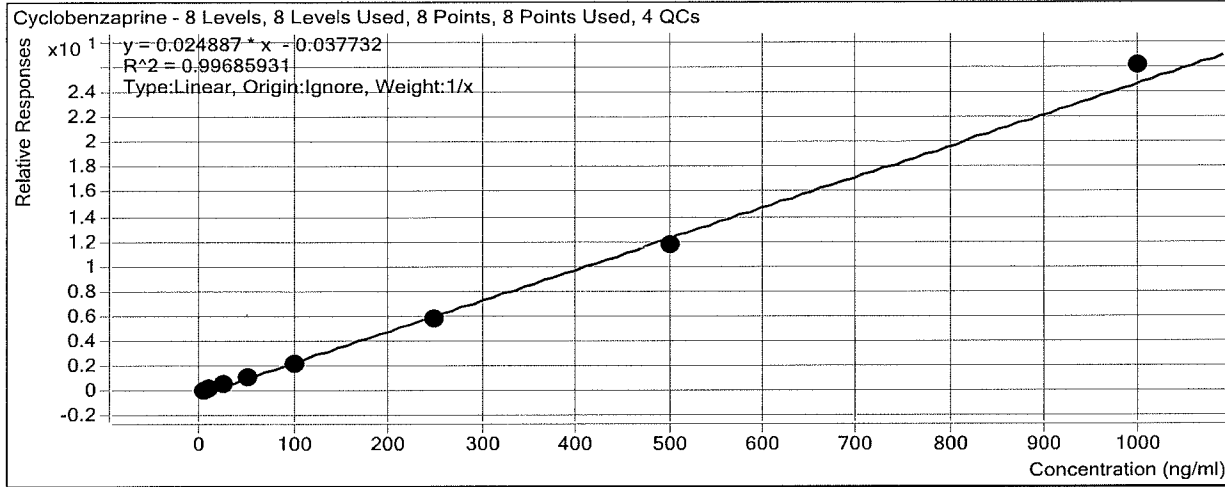
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.8	115.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.7	106.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.8	95.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	92.4	92.4
b qc 100	5	<input checked="" type="checkbox"/>	100	92.6	92.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.9	94.8
b QC 250	6	<input checked="" type="checkbox"/>	250	233.8	93.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	472.3	94.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1050.0	105.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	939.4	93.9

ISP Forensics Calibration Curve Report

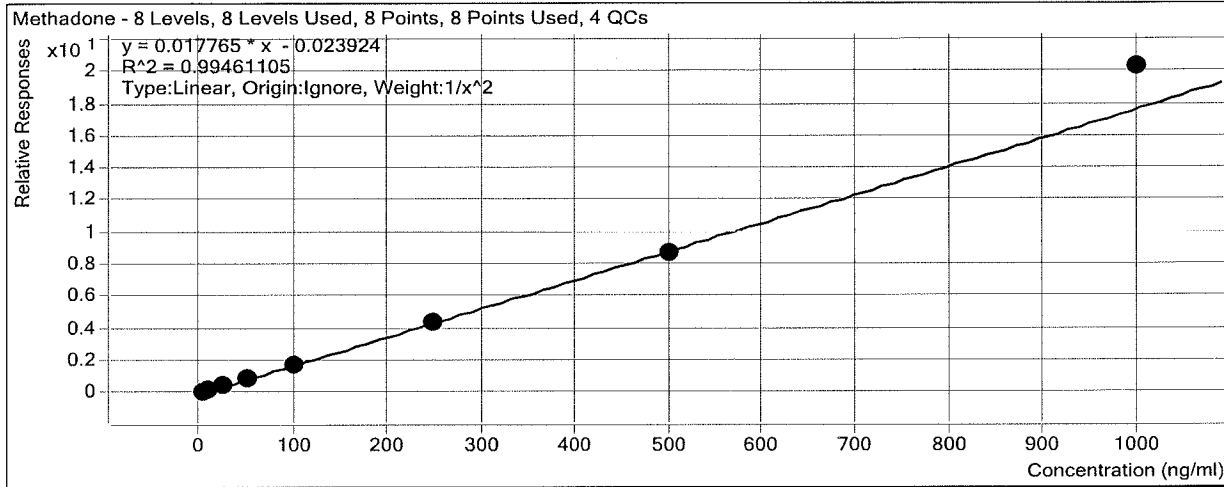
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM

Analyst Name ISP TOX

Target Compound Methadone

Internal Standard Methadone-D9



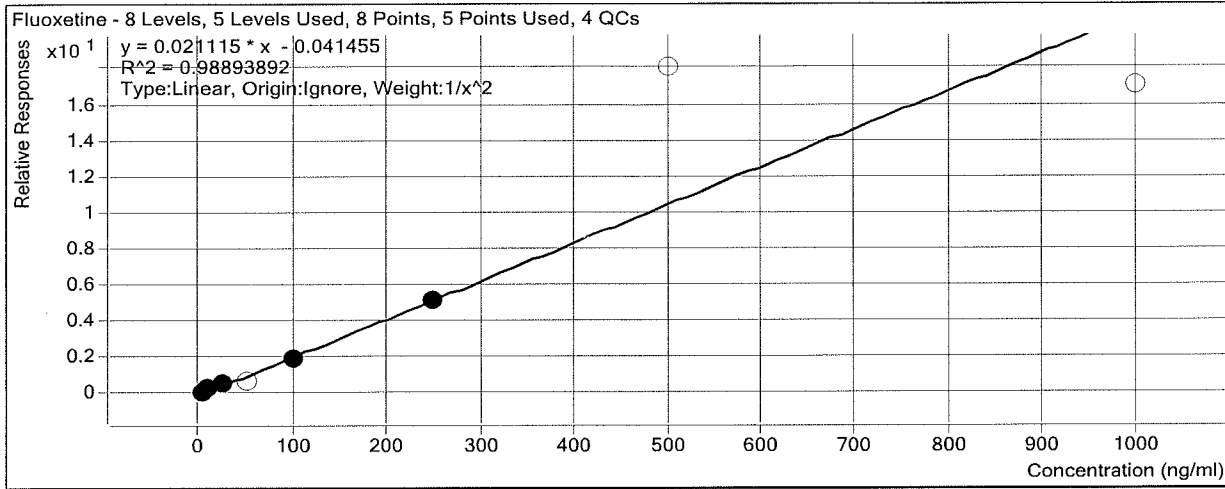
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.3	102.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.8	93.8
b qc 100	5	<input checked="" type="checkbox"/>	100	89.5	89.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.9	98.8
b QC 250	6	<input checked="" type="checkbox"/>	250	231.6	92.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	489.6	97.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1142.7	114.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	968.7	96.9

ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 AM **Analyst Name** ISP TOX

Target Compound Fluoxetine
Internal Standard Fluoxetine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	93.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.4	113.9
b QC 10	2	<input checked="" type="checkbox"/>	10	11.1	111.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input type="checkbox"/>	50	30.2	60.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	93.3	93.3
b qc 100	5	<input checked="" type="checkbox"/>	100	90.0	90.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.1	98.4
b QC 250	6	<input checked="" type="checkbox"/>	250	396.3	158.5
b cal 7-500ng	7	<input type="checkbox"/>	500	854.7	170.9
b cal 8-1000ng	8	<input type="checkbox"/>	1000	807.3	80.7
b qc 1000	8	<input type="checkbox"/>	1000	959.3	95.9

Not evaluated

ISP Forensics Calibration Curve Report

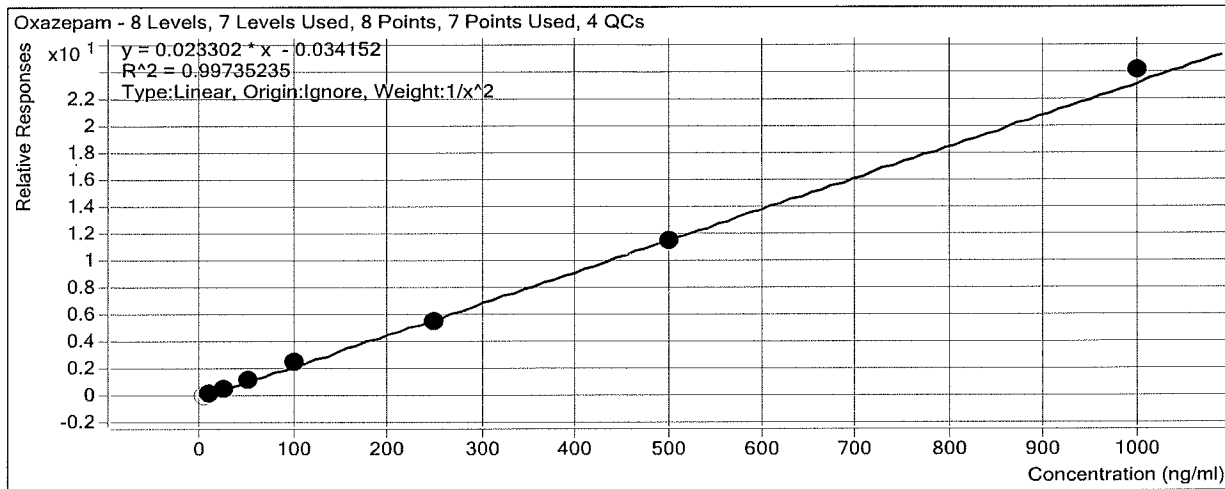
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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 type="checkbox"/>	5	4.8	95.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.4	107.4
b qc 100	5	<input checked="" type="checkbox"/>	100	101.4	101.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	234.8	93.9
b QC 250	6	<input checked="" type="checkbox"/>	250	230.8	92.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.9	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1033.4	103.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1048.4	104.8

ISP Forensics Calibration Curve Report

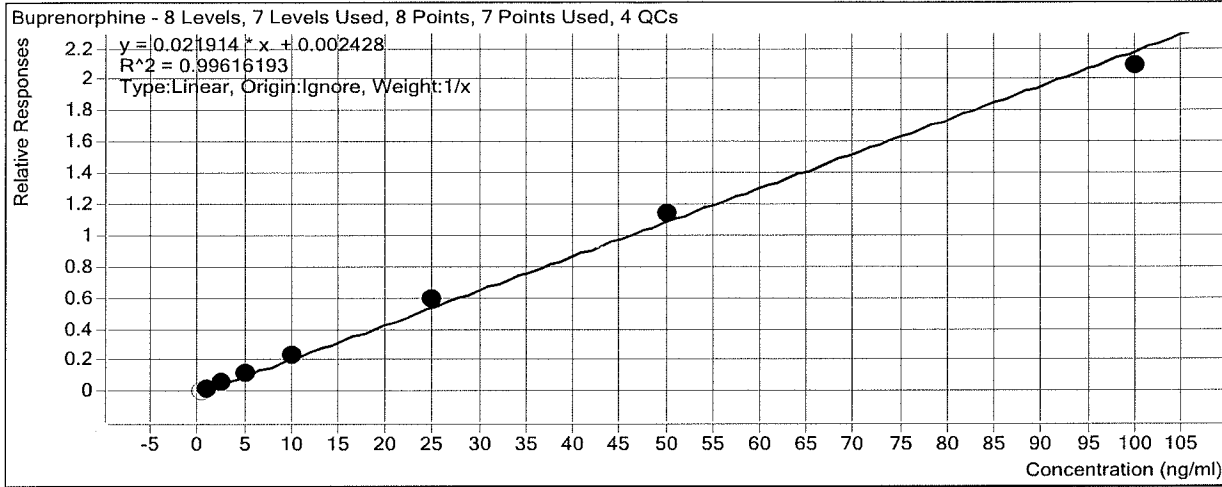
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	76.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.8	79.7
b QC 10	2	<input type="checkbox"/>	1	1.1	110.1 - S/N too low *
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.4	107.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.7	107.3
b qc 100	5	<input checked="" type="checkbox"/>	10	9.4	94.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	27.3	109.4
b QC 250	6	<input checked="" type="checkbox"/>	25	25.6	102.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	51.7	103.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	95.1	95.1
b qc 1000	8	<input checked="" type="checkbox"/>	100	97.9	97.9

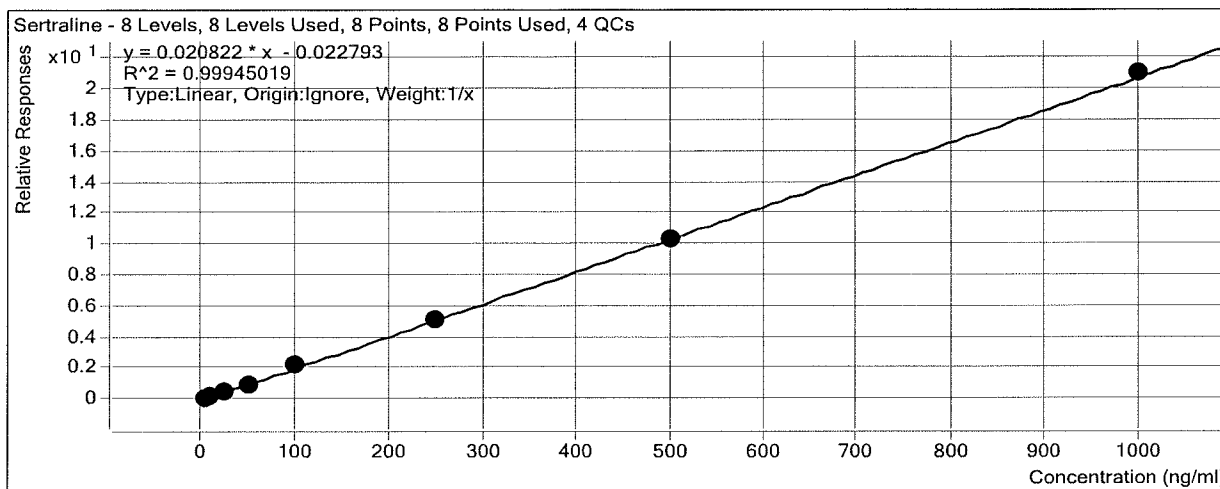
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	5.5	109.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	100.3
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.9	91.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.0	94.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.1	106.1
b qc 100	5	<input checked="" type="checkbox"/>	100	88.8	88.8
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.1	98.1
b QC 250	6	<input checked="" type="checkbox"/>	250	248.1	99.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.4	99.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1007.9	100.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1049.0	104.9

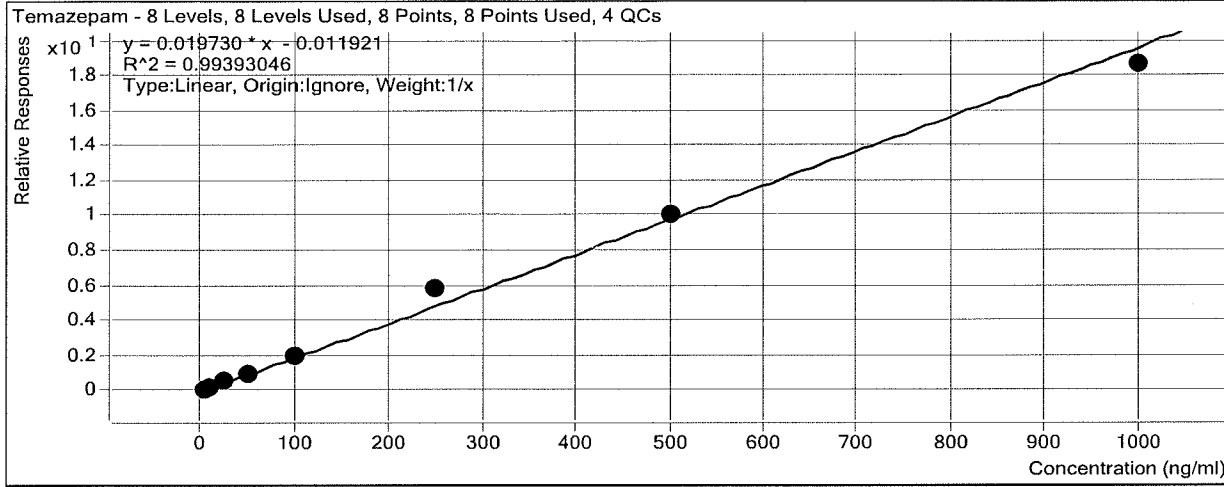
ISP Forensics Calibration Curve Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	4.8	95.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.8	88.3
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
b qc 100	5	<input checked="" type="checkbox"/>	100	98.2	98.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	292.6	117.0
b QC 250	6	<input checked="" type="checkbox"/>	250	248.6	99.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	512.8	102.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	944.6	94.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1261.4	126.1

ISP Forensics Calibration Curve Report

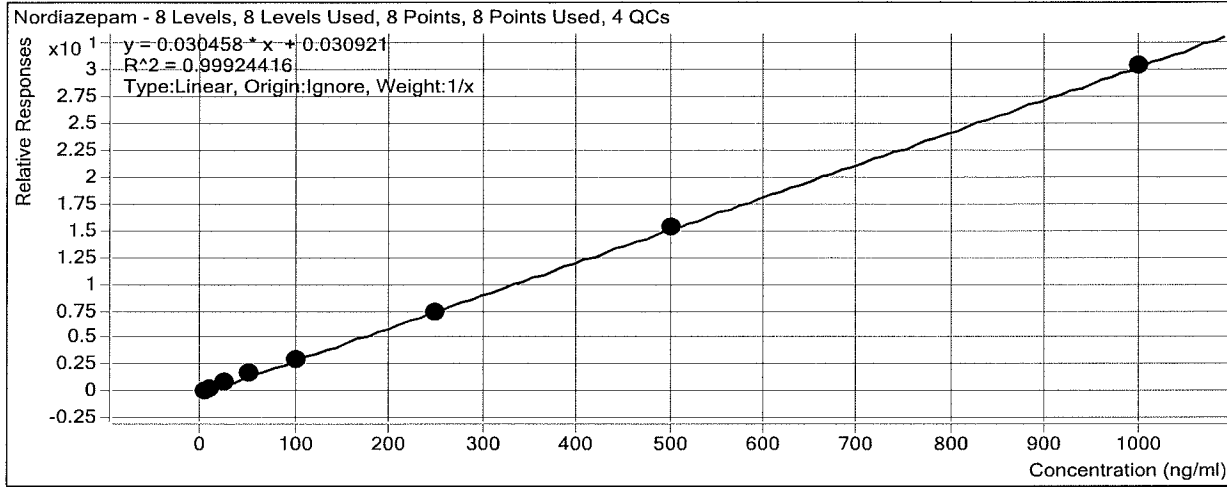
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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	4.2	83.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
b QC 10	2	<input checked="" type="checkbox"/>	10	8.6	86.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	28.3	113.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.5	111.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.8	97.8
b qc 100	5	<input checked="" type="checkbox"/>	100	96.3	96.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.6	98.2
b QC 250	6	<input checked="" type="checkbox"/>	250	242.3	96.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	502.0	100.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.0	99.7
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1065.4	106.5

ISP Forensics Calibration Curve Report

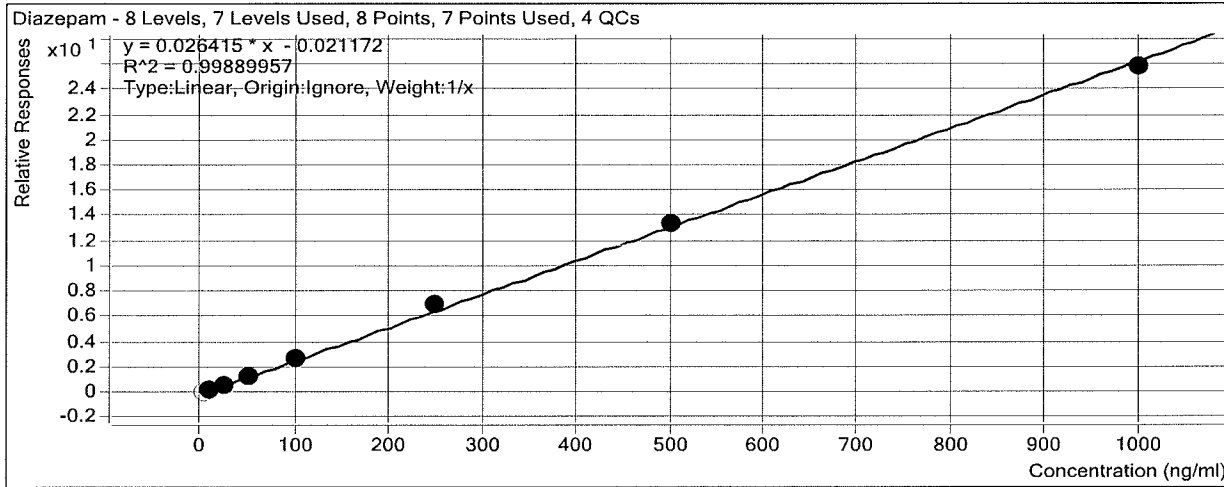
Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin

Last Calib Update 9/27/2017 9:18 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 type="checkbox"/>	5	3.4	68.4
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.5
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.9	95.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.3	96.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b qc 100	5	<input checked="" type="checkbox"/>	100	91.6	91.6
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	265.3	106.1
b QC 250	6	<input checked="" type="checkbox"/>	250	233.8	93.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	508.1	101.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	976.4	97.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	950.2	95.0

ISP FORENSICS - Cd'A Instrument # 62340

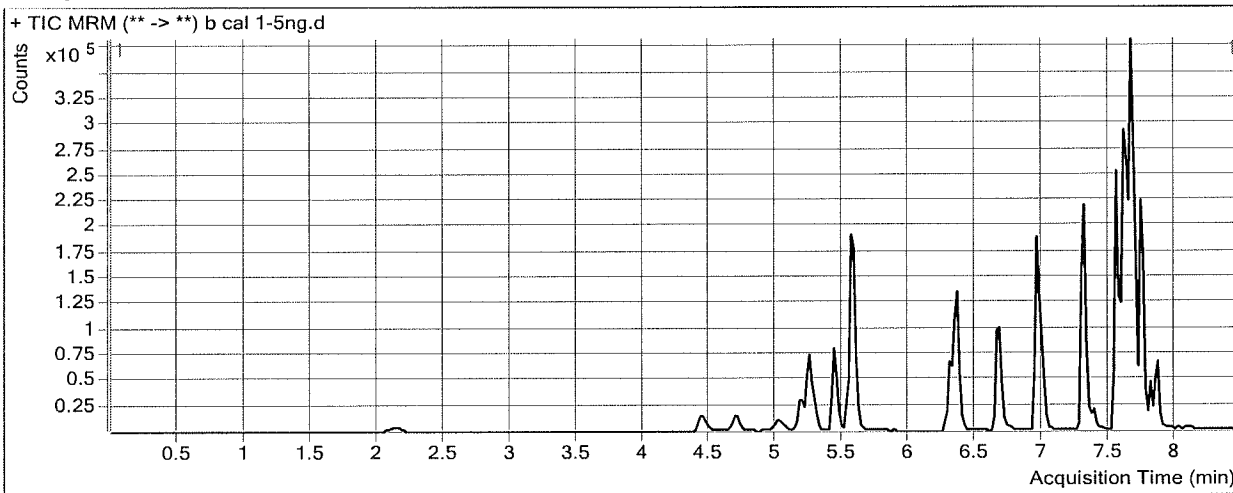
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 12:11 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

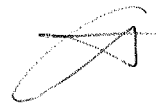
Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.169	2613	25701	0.1017	5.6410
Dihydrocodeine	Dihydrocodeine-D6	4.495	5932	65964	0.0899	4.5436
Naloxone	Naloxone-D5	4.746	3245	65695	0.0494	5.0881
Noroxycodone	Noroxycodone-D3	5.038	4125	37966	0.1086	5.4975
Naltrexone	Naltrexone-D3	5.191	9046	89656	0.1009	5.0279
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	2510	244917	0.0102	0.5030
Naltrexol	Naltrexol-D3	5.450	24047	200809	0.1198	4.7049
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.581	59250	569433	0.1041	4.8673
Ketamine	Ketamine-D4	6.319	21045	181512	0.1159	5.0252
Norfentanyl	Norfentanyl-D5	6.382	3105	362285	0.0086	0.6456
alpha-PVP	alpha-PVP-d8	6.688	32693	300262	0.1089	5.0839
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.983	5089	530177	0.0096	0.5513
Norbuprenorphine	Norbuprenorphine-D3	7.294	282	16174	0.0174	0.5468
Fentanyl	Fentanyl-D5	7.298	5295	558575	0.0095	0.5986
EDDP	EDDP-D3	7.388	3236	34106	0.0949	6.2402
Sufentanil	Sufentanil-D5	7.538	3785	321386	0.0118	0.5095
Quetiapine	Quetiapine-D8	7.559	57828	153334	0.3771	4.9909
Cyclobenzaprine	Cyclobenzaprine-D3	7.592	23199	219476	0.1057	5.7635
Methadone	Methadone-D9	7.622	35707	549837	0.0649	5.0024
Fluoxetine	Fluoxetine-D6	7.684	39233	689234	0.0569	4.6591
Oxazepam	Oxazepam-D5	7.709	5184	67708	0.0766	4.7512
Buprenorphine	Buprenorphine-D4	7.715	1230	113756	0.0108	0.3827
Sertraline	Sertraline-D3	7.725	15976	174355	0.0916	5.4951

b cal 1

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	22356	272024	0.0822	4.7696
Nordiazepam	Nordiazepam-D5	7.815	10798	68302	0.1581	4.1753
Diazepam	Diazepam-D5	7.850	9028	130537	0.0692	3.4198



ISP FORENSICS - Cd'A Instrument # 62340

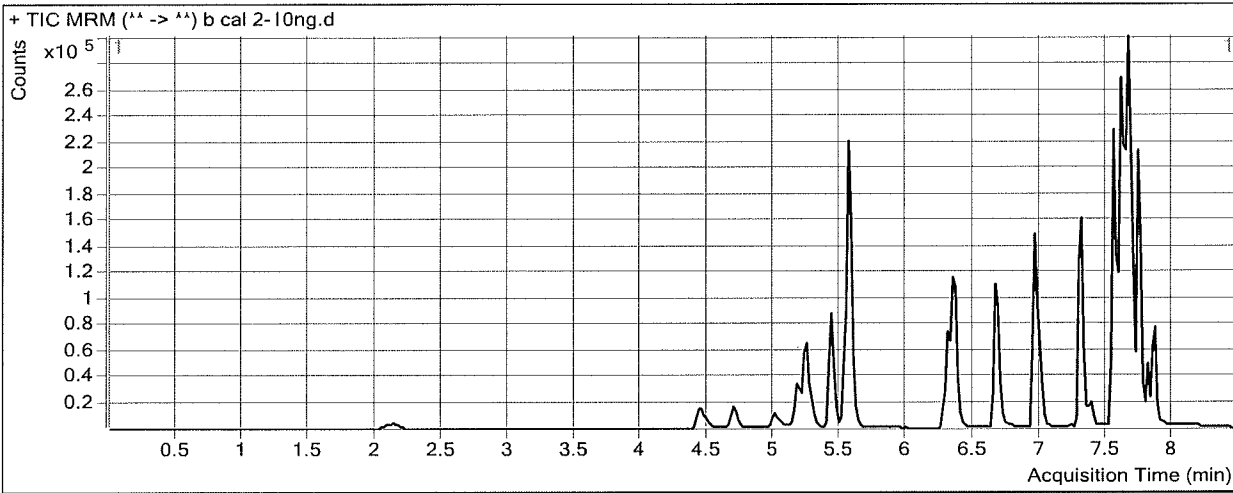
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 12:37 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.149	5223	24604	0.2123	10.3301
Dihydrocodeine	Dihydrocodeine-D6	4.495	11290	61224	0.1844	9.6916
Naloxone	Naloxone-D5	4.726	6202	63316	0.0980	9.7625
Noroxycodone	Noroxycodone-D3	5.038	7219	33132	0.2179	10.3290
Naltrexone	Naltrexone-D3	5.191	17241	84378	0.2043	9.9111
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	4900	218635	0.0224	1.0199
Naltrexol	Naltrexol-D3	5.430	47246	191348	0.2469	9.7659
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.560	113617	546333	0.2080	9.9008
Ketamine	Ketamine-D4	6.319	39543	169233	0.2337	9.8793
Norfentanyl	Norfentanyl-D5	6.362	5900	317892	0.0186	1.1368
alpha-PVP	alpha-PVP-d8	6.668	59939	264865	0.2263	9.9487
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.983	7595	410659	0.0185	0.9818
Norbuprenorphine	Norbuprenorphine-D3	7.274	347	13048	0.0266	0.9773
Fentanyl	Fentanyl-D5	7.298	7148	415637	0.0172	0.9640
EDDP	EDDP-D3	7.388	5275	32084	0.1644	9.3629
Sufentanil	Sufentanil-D5	7.538	5454	227318	0.0240	1.0500
Quetiapine	Quetiapine-D8	7.559	102179	129077	0.7916	10.1926
Cyclobenzaprine	Cyclobenzaprine-D3	7.592	35909	157572	0.2279	10.6732
Methadone	Methadone-D9	7.622	66400	418097	0.1588	10.2868
Fluoxetine	Fluoxetine-D6	7.664	99593	500265	0.1991	11.3917
Oxazepam	Oxazepam-D5	7.709	10614	52720	0.2013	10.1051
Buprenorphine	Buprenorphine-D4	7.715	1786	89814	0.0199	0.7966
Sertraline	Sertraline-D3	7.725	22218	119396	0.1861	10.0315

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

b cal 2

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	38829	239173	0.1623	8.8327
Nordiazepam	Nordiazepam-D5	7.815	19006	58677	0.3239	9.6196
Diazepam	Diazepam-D5	7.870	30959	128084	0.2417	9.9520



ISP FORENSICS - Cd'A Instrument # 62340

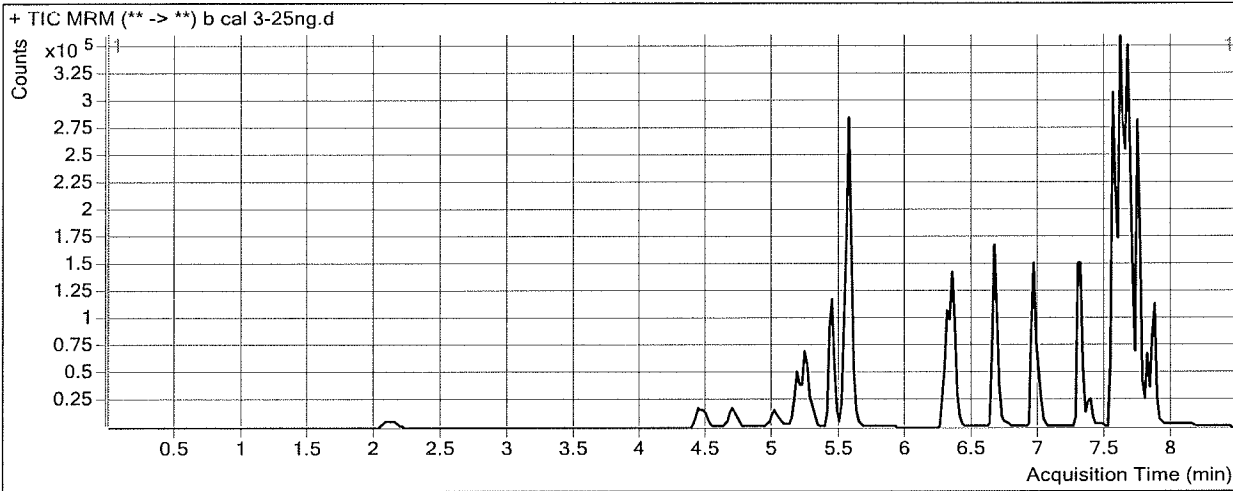
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 13:02 **Data File** b cal 3-25ng.d
Sample Type Calibration **Sample Name** b cal 3-25ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-C1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.129	13317	24953	0.5337	23.9519
Dihydrocodeine	Dihydrocodeine-D6	4.495	28829	63290	0.4555	24.4617
Naloxone	Naloxone-D5	4.726	16074	64509	0.2492	24.3182
Noroxycodone	Noroxycodone-D3	5.038	17652	35320	0.4998	22.7955
Naltrexone	Naltrexone-D3	5.171	44045	84852	0.5191	24.7698
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.284	12247	221970	0.0552	2.4125
Naltrexol	Naltrexol-D3	5.430	125000	193344	0.6465	25.6703
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.560	296207	553645	0.5350	25.7432
Ketamine	Ketamine-D4	6.299	106096	175286	0.6053	25.2026
Norfentanyl	Norfentanyl-D5	6.362	15173	331780	0.0457	2.4730
alpha-PVP	alpha-PVP-d8	6.668	154924	277161	0.5590	23.7314
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.963	19924	403220	0.0494	2.4784
Norbuprenorphine	Norbuprenorphine-D3	7.274	557	11100	0.0502	2.0881
Fentanyl	Fentanyl-D5	7.298	19028	405022	0.0470	2.3743
EDDP	EDDP-D3	7.388	17597	35048	0.5021	24.5323
Sufentanil	Sufentanil-D5	7.538	11872	228362	0.0520	2.2887
Quetiapine	Quetiapine-D8	7.559	261109	132922	1.9644	24.9111
Cyclobenzaprine	Cyclobenzaprine-D3	7.592	84889	153138	0.5543	23.7906
Methadone	Methadone-D9	7.622	165132	411627	0.4012	23.9293
Fluoxetine	Fluoxetine-D6	7.664	233188	473649	0.4923	25.2794
Oxazepam	Oxazepam-D5	7.689	24345	45902	0.5304	24.2264
Buprenorphine	Buprenorphine-D4	7.715	4763	84835	0.0561	2.4514
Sertraline	Sertraline-D3	7.725	53597	117868	0.4547	22.9327

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

b cal 3

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	114725	236160	0.4858	25.2263
Nordiazepam	Nordiazepam-D5	7.815	48485	54327	0.8925	28.2866
Diazepam	Diazepam-D5	7.870	77712	127555	0.6092	23.8663



ISP FORENSICS - Cd'A Instrument # 62340

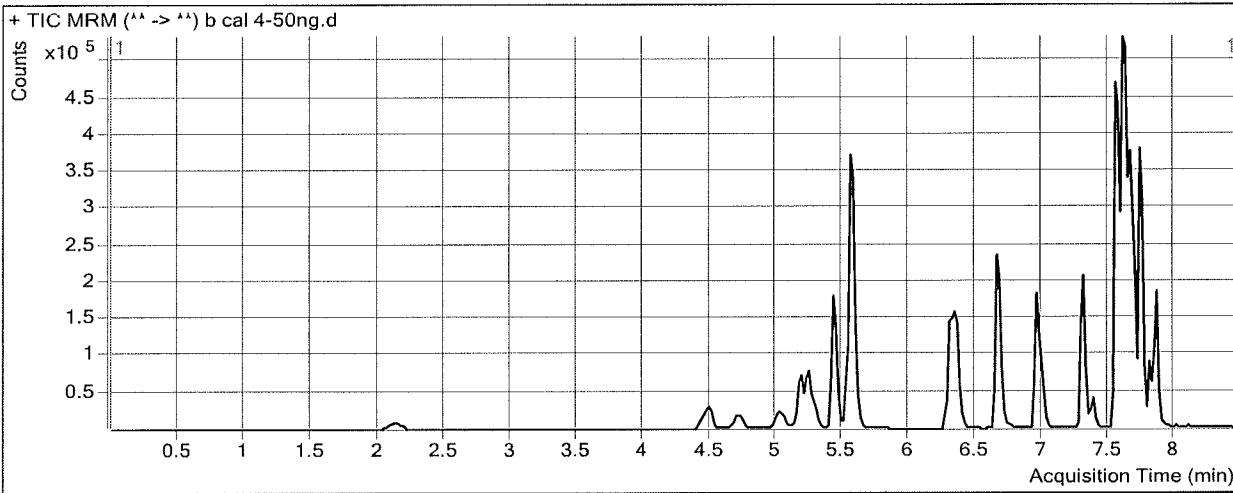
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin		
Analysis Time	9/27/2017 9:18 AM	Analyst Name	anord
Report Time	9/27/2017 10:09 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:18 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 13:27	Data File	b cal 4-50ng.d
Sample Type	Calibration	Sample Name	b cal 4-50ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



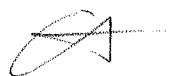
Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.149	27667	25807	1.0721	46.7715
Dihydrocodeine	Dihydrocodeine-D6	4.495	63829	65584	0.9732	52.6693
Naloxone	Naloxone-D5	4.726	32510	65603	0.4956	48.0348
Noroxycodone	Noroxycodone-D3	5.038	39401	37657	1.0463	46.9672
Naltrexone	Naltrexone-D3	5.191	88412	82753	1.0684	50.7014
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	26925	252294	0.1067	4.6034
Naltrexol	Naltrexol-D3	5.430	257388	197059	1.3061	51.9237
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.581	613593	584046	1.0506	50.7180
Ketamine	Ketamine-D4	6.319	220849	185459	1.1908	49.3475
Norfentanyl	Norfentanyl-D5	6.382	33229	353975	0.0939	4.8404
alpha-PVP	alpha-PVP-d8	6.668	334627	294555	1.1360	47.6401
Acetyl Fentanyl	Acetyl Fentanyl-D5	6.983	44780	464019	0.0965	4.7577
Norbuprenorphine	Norbuprenorphine-D3	7.274	1217	13266	0.0918	4.0416
Fentanyl	Fentanyl-D5	7.298	44899	463262	0.0969	4.7391
EDDP	EDDP-D3	7.388	32382	36881	0.8780	41.4189
Sufentanil	Sufentanil-D5	7.538	30640	269017	0.1139	5.0279
Quetiapine	Quetiapine-D8	7.559	569573	128320	4.4387	55.9642
Cyclobenzaprine	Cyclobenzaprine-D3	7.592	204734	176641	1.1590	48.0892
Methadone	Methadone-D9	7.622	384316	460867	0.8339	48.2884
Fluoxetine	Fluoxetine-D6	7.644	314998	528463	0.5961	30.1927
Oxazepam	Oxazepam-D5	7.709	43530	39144	1.1121	49.1887
Buprenorphine	Buprenorphine-D4	7.715	10549	88105	0.1197	5.3531
Sertraline	Sertraline-D3	7.725	128311	134231	0.9559	47.0019

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

b cal 4

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	224022	229152	0.9776	50.1541
Nordiazepam	Nordiazepam-D5	7.815	87376	50737	1.7221	55.5259
Diazepam	Diazepam-D5	7.870	157392	125527	1.2538	48.2697



ISP FORENSICS - Cd'A Instrument # 62340

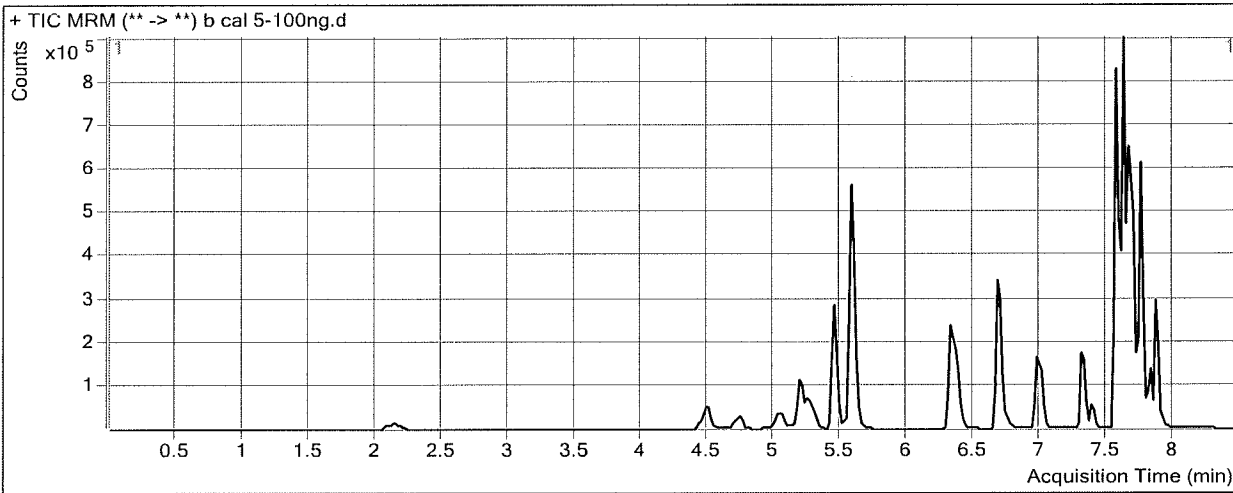
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin		
Analysis Time	9/27/2017 9:18 AM	Analyst Name	anord
Report Time	9/27/2017 10:09 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:18 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 13:53	Data File	b cal 5-100ng.d
Sample Type	Calibration	Sample Name	b cal 5-100ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.149	53728	24694	2.1758	93.5529
Dihydrocodeine	Dihydrocodeine-D6	4.515	123294	63874	1.9303	104.8101
Naloxone	Naloxone-D5	4.746	70395	63365	1.1109	107.2698
Noroxycodone	Noroxycodone-D3	5.058	75186	33632	2.2355	99.5640
Naltrexone	Naltrexone-D3	5.191	168634	80800	2.0871	98.7913
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.304	48929	218312	0.2241	9.5934
Naltrexol	Naltrexol-D3	5.450	493697	191028	2.5844	102.7995
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.581	1148468	547742	2.0967	101.3933
Ketamine	Ketamine-D4	6.319	424282	173276	2.4486	101.2111
Norfentanyl	Norfentanyl-D5	6.382	60578	321771	0.1883	9.4820
alpha-PVP	alpha-PVP-d8	6.688	621009	262069	2.3696	98.7489
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.002	76403	383043	0.1995	9.7412
Norbuprenorphine	Norbuprenorphine-D3	7.294	1961	11822	0.1659	7.5254
Fentanyl	Fentanyl-D5	7.318	73969	367830	0.2011	9.6722
EDDP	EDDP-D3	7.388	74437	35517	2.0958	96.1230
Sufentanil	Sufentanil-D5	7.558	50299	228445	0.2202	9.7303
Quetiapine	Quetiapine-D8	7.559	966196	128157	7.5391	94.8754
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	307590	135978	2.2621	92.4111
Methadone	Methadone-D9	7.622	639426	389159	1.6431	93.8399
Fluoxetine	Fluoxetine-D6	7.664	837459	434062	1.9294	93.3368
Oxazepam	Oxazepam-D5	7.709	74044	29993	2.4687	107.4088
Buprenorphine	Buprenorphine-D4	7.715	17754	74733	0.2376	10.7305
Sertraline	Sertraline-D3	7.746	205193	93825	2.1870	106.1259

b cal S

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	436002	220091	1.9810	101.0103
Nordiazepam	Nordiazepam-D5	7.835	157308	52289	3.0084	97.7573
Diazepam	Diazepam-D5	7.870	313459	115996	2.7023	103.1060

ISP FORENSICS - Cd'A Instrument # 62340

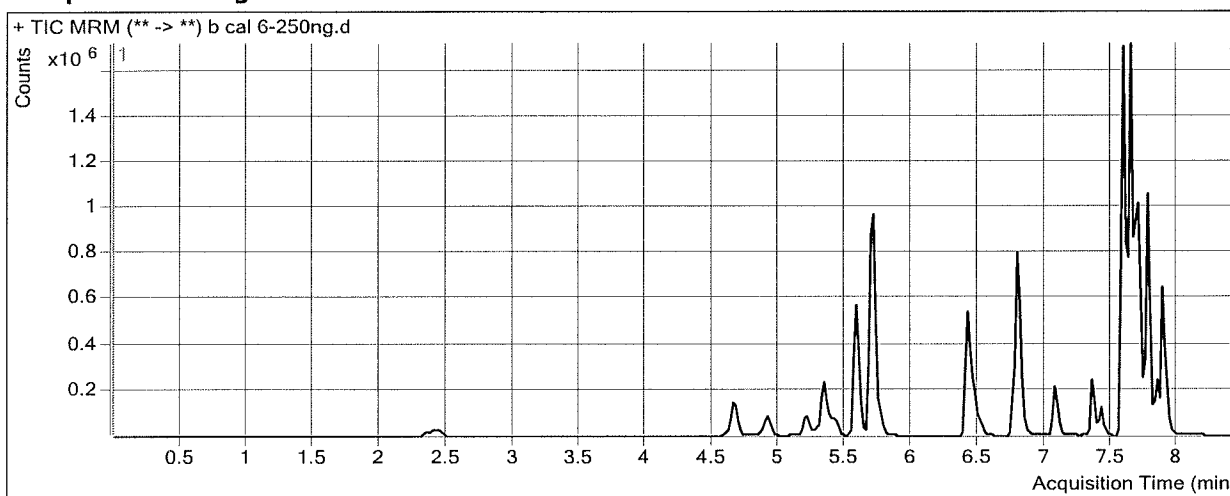
Multi-Drug Confirmatory Analysis Report

Batch Data Path C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin
Analysis Time 9/27/2017 9:18 AM **Analyst Name** anord
Report Time 9/27/2017 10:09 AM **Reporter Name** ISP Tox
Last Calib Update 9/27/2017 9:18 AM **Batch State** Processed

Analysis Info

Acq Time 2017-09-26 14:18 **Data File** b cal 6-250ng.d
Sample Type Calibration **Sample Name** b cal 6-250ng
Dilution 1 **Acq Method** Quant Panel 1b 8-8-2017.m
Position P1-F1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.409	152106	24769	6.1409	261.6158
Dihydrocodeine	Dihydrocodeine-D6	4.654	337241	70571	4.7787	260.0032
Naloxone	Naloxone-D5	4.912	237041	64608	3.6689	353.4963
Noroxycodone	Noroxycodone-D3	5.217	210833	36722	5.7413	254.6156
Naltrexone	Naltrexone-D3	5.331	402306	78013	5.1569	243.7119
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.444	130100	222177	0.5856	24.9560
Naltrexol	Naltrexol-D3	5.570	1170366	190547	6.1421	244.3971
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.717	2729291	542691	5.0292	243.4416
Ketamine	Ketamine-D4	6.419	1103526	180956	6.0983	251.7069
Norfentanyl	Norfentanyl-D5	6.483	155393	326091	0.4765	23.6577
alpha-PVP	alpha-PVP-d8	6.788	1668475	266083	6.2705	260.3650
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.062	174843	346255	0.5050	24.5276
Norbuprenorphine	Norbuprenorphine-D3	7.334	5051	7929	0.6371	29.6742
Fentanyl	Fentanyl-D5	7.338	162473	312547	0.5198	24.7654
EDDP	EDDP-D3	7.430	195501	34054	5.7409	259.8606
Sufentanil	Sufentanil-D5	7.558	116357	196245	0.5929	26.2222
Quetiapine	Quetiapine-D8	7.579	2364593	130146	18.1688	228.2792
Cyclobenzaprine	Cyclobenzaprine-D3	7.632	672074	114706	5.8591	236.9481
Methadone	Methadone-D9	7.643	1429731	327786	4.3618	246.8798
Fluoxetine	Fluoxetine-D6	7.684	1529759	296736	5.1553	246.1161
Oxazepam	Oxazepam-D5	7.729	140320	25804	5.4379	234.8270
Buprenorphine	Buprenorphine-D4	7.695	33601	55846	0.6017	27.3453
Sertraline	Sertraline-D3	7.766	417374	82139	5.0813	245.1269

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

b cal 6

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.767	941819	163492	5.7606	292.5793
Nordiazepam	Nordiazepam-D5	7.855	316372	42122	7.5108	245.5788
Diazepam	Diazepam-D5	7.890	754955	108078	6.9853	265.2508

ISP FORENSICS - Cd'A Instrument # 62340

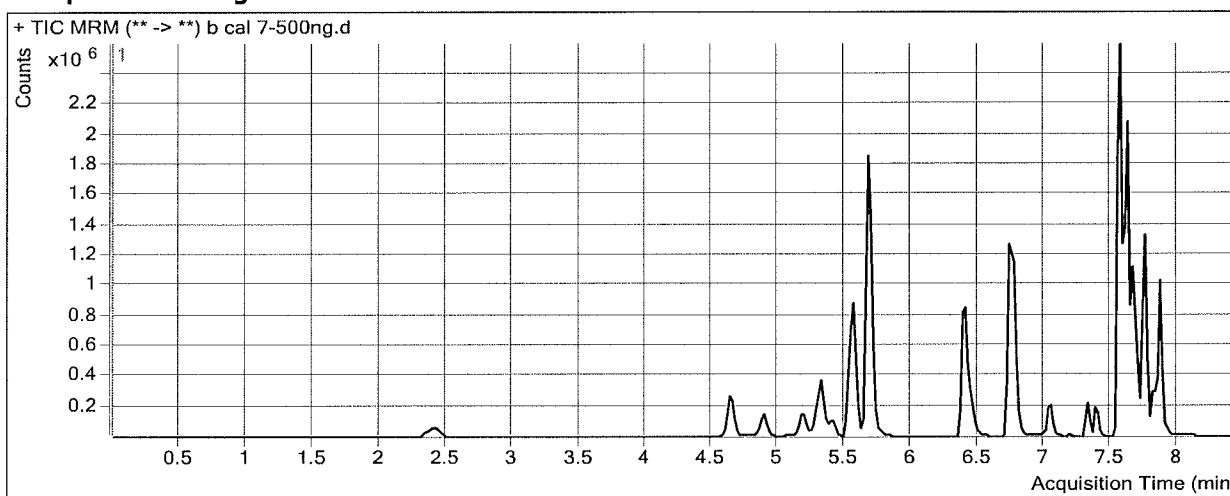
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin		
Analysis Time	9/27/2017 9:18 AM	Analyst Name	anord
Report Time	9/27/2017 10:09 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:18 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 14:44	Data File	b cal 7-500ng.d
Sample Type	Calibration	Sample Name	b cal 7-500ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-G1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.409	286699	23869	12.0115	510.4383
Dihydrocodeine	Dihydrocodeine-D6	4.634	628470	66015	9.5202	518.3280
Naloxone	Naloxone-D5	4.892	427881	58546	7.3084	703.8254
Noroxycodone	Noroxycodone-D3	5.197	381903	33687	11.3369	502.0937
Naltrexone	Naltrexone-D3	5.311	687285	61932	11.0975	524.1570
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.424	241780	194633	1.2422	52.8667
Naltrexol	Naltrexol-D3	5.550	2051502	159818	12.8365	510.8346
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.679	5336444	516064	10.3407	500.7310
Ketamine	Ketamine-D4	6.399	2020472	167416	12.0686	497.8881
Norfentanyl	Norfentanyl-D5	6.463	298080	299132	0.9965	49.2263
alpha-PVP	alpha-PVP-d8	6.748	2986878	240327	12.4284	515.4906
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.042	256414	244761	1.0476	50.7935
Norbuprenorphine	Norbuprenorphine-D3	7.294	6598	7213	0.9148	42.7301
Fentanyl	Fentanyl-D5	7.318	192295	192437	0.9993	47.4676
EDDP	EDDP-D3	7.388	338045	30316	11.1507	502.8725
Sufentanil	Sufentanil-D5	7.538	143369	127798	1.1218	49.6244
Quetiapine	Quetiapine-D8	7.559	4157666	107827	38.5588	484.1789
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	878003	74931	11.7174	472.3497
Methadone	Methadone-D9	7.622	2040100	235186	8.6744	489.6467
Fluoxetine	Fluoxetine-D6	7.664	1791382	99495	18.0048	854.6630
Oxazepam	Oxazepam-D5	7.709	213067	18529	11.4991	494.9384
Buprenorphine	Buprenorphine-D4	7.675	38228	33661	1.1357	51.7154
Sertraline	Sertraline-D3	7.725	533102	51793	10.2930	495.4229

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

b cal 7

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	1466243	145084	10.1062	512.8295
Nordiazepam	Nordiazepam-D5	7.835	439967	28714	15.3223	502.0450
Diazepam	Diazepam-D5	7.870	1269700	94747	13.4010	508.1349

ISP FORENSICS - Cd'A Instrument # 62340

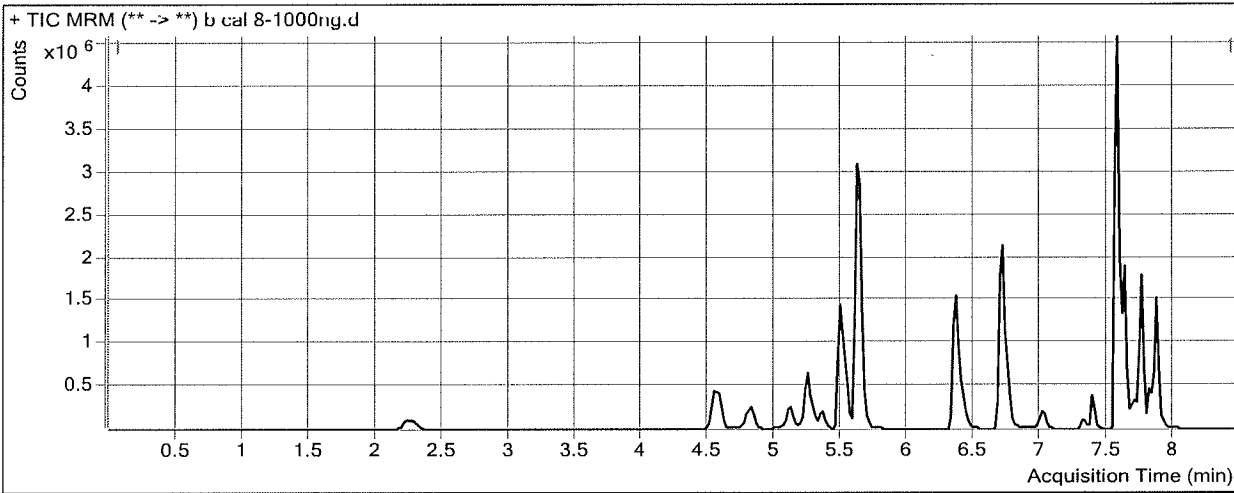
Multi-Drug Confirmatory Analysis Report

Batch Data Path	C:\MyFiles\anord\Documents\blood data\92617 mdq\QuantResults\92617 mdq p1b.batch.bin		
Analysis Time	9/27/2017 9:18 AM	Analyst Name	anord
Report Time	9/27/2017 10:09 AM	Reporter Name	ISP Tox
Last Calib Update	9/27/2017 9:18 AM	Batch State	Processed

Analysis Info

Acq Time	2017-09-26 15:09	Data File	b cal 8-1000ng.d
Sample Type	Calibration	Sample Name	b cal 8-1000ng
Dilution	1	Acq Method	Quant Panel 1b 8-8-2017.m
Position	P1-H1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	2.269	563886	23701	23.7919	1009.7526
Dihydrocodeine	Dihydrocodeine-D6	4.556	1113350	62803	17.7276	965.4926
Naloxone	Naloxone-D5	4.810	751148	56424	13.3126	1281.7755
Noroxycodone	Noroxycodone-D3	5.117	671320	29767	22.5526	998.1374
Naltrexone	Naltrexone-D3	5.251	1199925	57383	20.9107	987.4244
Acetyl Norfentanyl	Acetyl Norfentanyl-D5	5.364	496254	186884	2.6554	112.9319
Naltrexol	Naltrexol-D3	5.490	3590412	144348	24.8734	989.9041
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.619	10047378	485059	20.7137	1003.2048
Ketamine	Ketamine-D4	6.359	3703643	153175	24.1792	997.2674
Norfentanyl	Norfentanyl-D5	6.423	595957	286027	2.0836	102.6837
alpha-PVP	alpha-PVP-d8	6.728	5163656	208557	24.7589	1026.3543
Acetyl Fentanyl	Acetyl Fentanyl-D5	7.022	293483	141936	2.0677	100.1687
Norbuprenorphine	Norbuprenorphine-D3	7.294	6676	3040	2.1961	102.9607
Fentanyl	Fentanyl-D5	7.318	132906	60942	2.1808	103.4189
EDDP	EDDP-D3	7.388	623459	28073	22.2084	999.5896
Sufentanil	Sufentanil-D5	7.538	82941	36860	2.2502	99.5470
Quetiapine	Quetiapine-D8	7.559	7690165	93128	82.5764	1036.6077
Cyclobenzaprine	Cyclobenzaprine-D3	7.612	480196	18404	26.0925	1049.9746
Methadone	Methadone-D9	7.622	1933169	95345	20.2756	1142.6980
Fluoxetine	Fluoxetine-D6	7.684	309094	18176	17.0054	807.3312
Oxazepam	Oxazepam-D5	7.709	405441	16861	24.0462	1033.3887
Buprenorphine	Buprenorphine-D4	7.695	24344	11667	2.0866	95.1076
Sertraline	Sertraline-D3	7.725	181405	8654	20.9632	1007.8630

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

b cal 8

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Temazepam	Temazepam-D5	7.747	2453328	131723	18.6249	944.5983
Nordiazepam	Nordiazepam-D5	7.815	682904	22465	30.3980	997.0115
Diazepam	Diazepam-D5	7.870	2126046	82499	25.7705	976.4203

