



















Worklist: 2669

<u>LAB_CASE</u>	<u>ITEM</u>	<u>TASK_ID</u>	<u>DESCRIPTION</u>	
C2018-1596	1	125686	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1610	1	125687	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1647	1	125688	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1672	1	125690	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1692	1	125689	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1715	2	125691	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
C2018-1724	1	125692	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3639	1	125693	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3659	1	125695	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3766	2	125694	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-3822	5	125696	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
M2018-4015	3	125697	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2160	1	125700	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2161	1	125701	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2174	1	125698	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2218	1	125702	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2262	1	125703	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	
P2018-2264	1	125699	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QC	

BW 1

AM# 28: Multi-Drug Quantitation in Blood by LC-MS/MS

Extraction Date: 8/28/18
Plate lot#: 0530563

Analyst: Britany Wylie
Plate Expiration: May 21 2019

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

Mobile phase B: 0.01% Formic Acid in MeOH
Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 18G207D7

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: 1926134** 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: 08282018 mdaqpl Batch Name: 8282018 mdaqpla
8282018 mdaqplb
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² 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% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? See comments. Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS:

Curve ranges: lornam 1-100, amphetamine 5-250, lorazepam 5-250, morphine 10-1000
phentermine 10-1000, trazodone 5-500, benzalgeogamine 5-250, buprenorphine 2.5-100
mitragynine 5-250, norbuprenorphine 1-100, cyclobenzaprine 25-1000
nor-fentanyl 25-100

Diphenhydramine- qualitative evaluation in this run, QC outside acceptance criteria for quant

norhydrocodone: not evaluated in this run

Toxicology AM method 28 panel 1 external prep information

working solution 10000 ng/ml in meoh Lorazepam, alprazolam, diphenhydramine, methadone, sertraline

Stock solution 1mg/ml 100 ul each in 9500 ul meOH

Ppd 3/19/18 Exp: 3/19/19 Lot 31919 by AMN

Drug	lot	expiration
alprazolam	fe07161509	7/1/2020
diphenhydramine	fn09161502	9/1/2020
Lorazepam	fe04231401	5/1/2019
methadone	fe06221502	7/1/2020
sertraline	fn01081501	3/1/2020

AM 28 control 50 ul working solution lot (31919) in 9950 ul blood lot (17J20718)

ppd 3/19/18 Exp 9/19/18 by AMN Concentration 50 ng/ml each lot 91918

ISP FORENSICS - Cd'A Instrument # 62340

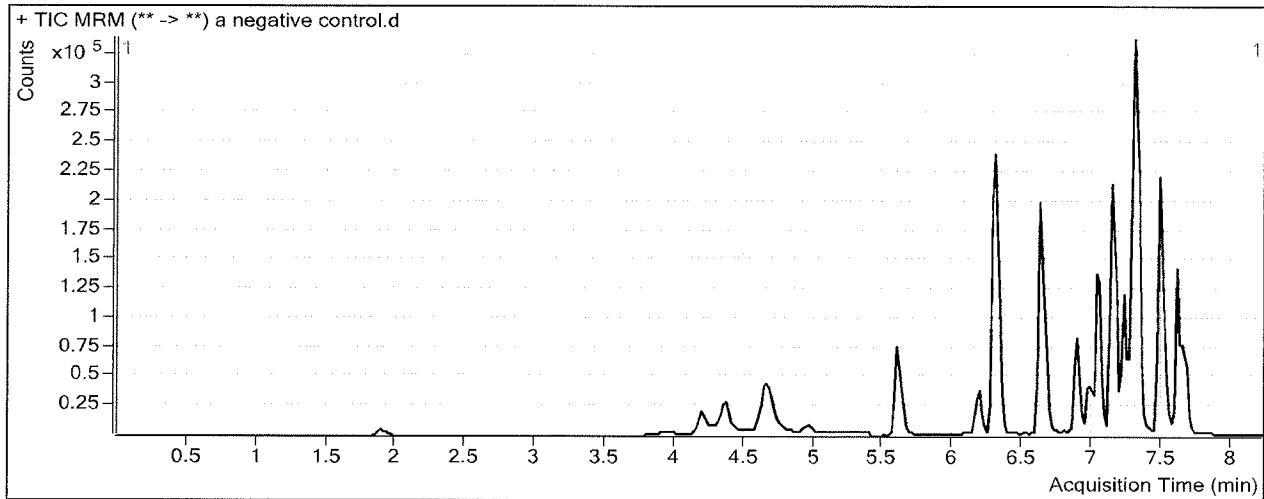
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 20:02 **Data File** a negative control.d
Sample Type Sample **Sample Name** a negative control
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1, negative

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

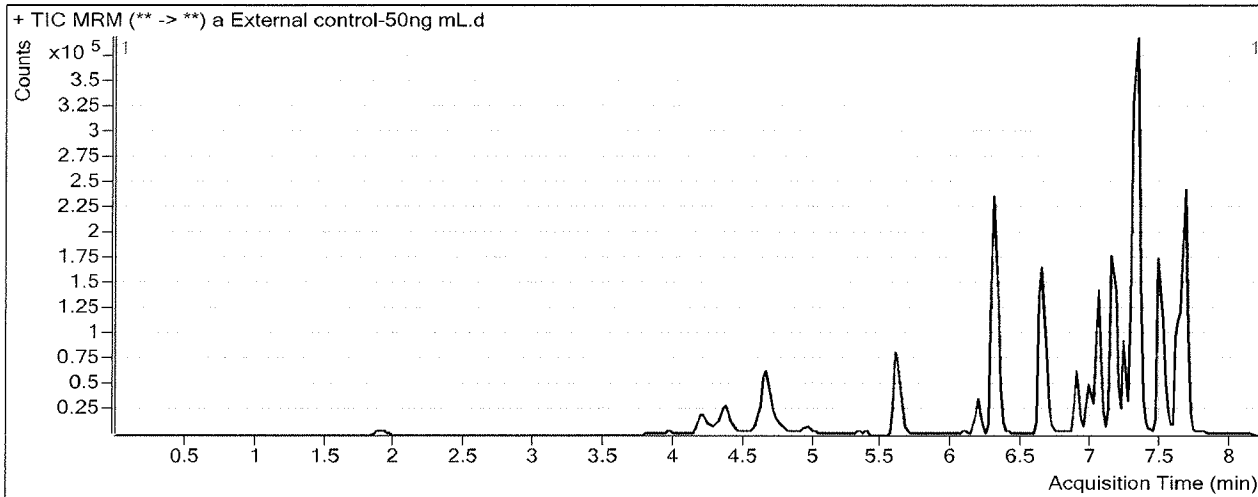
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 20:27 **Data File** a External control-50ng mL.d
Sample Type Sample **Sample Name** a External control-50ng mL
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28; external control p1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Amphetamine	Amphetamine-D11	4.343	26841	87805	0.3057	2.0047 <i>LS</i>
Diphenhydramine	Diphenhydramine-D3	7.332	375799	434621	0.8647	39.0012
Alprazolam	Alprazolam-D5	7.667	160514	144892	1.1078	42.0772
Lorazepam	Clonazepam-D4	7.643	55741	34554	1.6131	52.1236

BJ

ISP FORENSICS - Cd'A Instrument # 62340

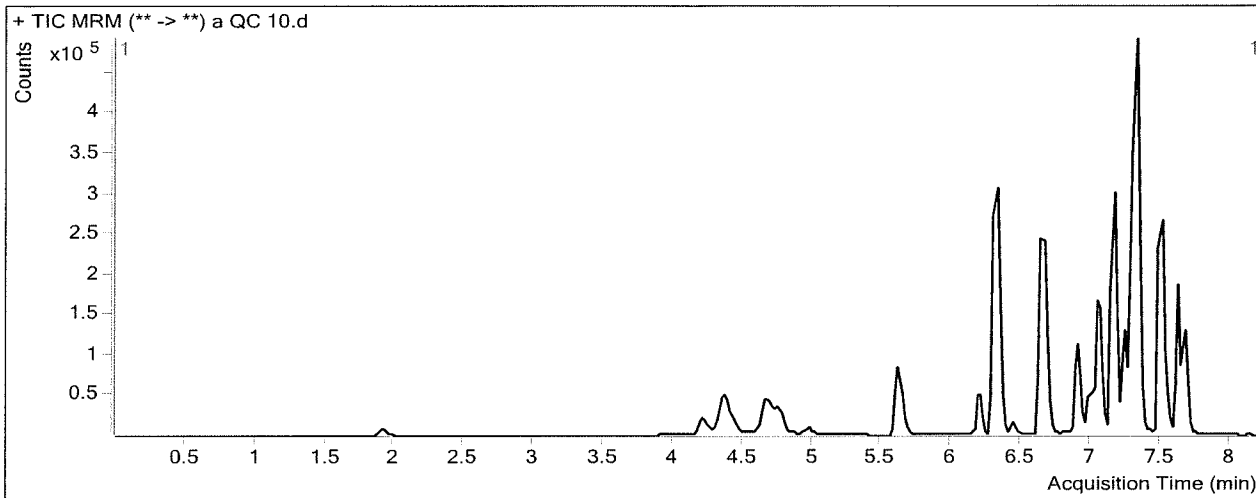
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 20:52 **Data File** a QC 10.d
Sample Type QC **Sample Name** a QC 10
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	1981	1528	1.2968	10.8856
Hydromorphone	Hydromorphone-D6	1.929	8119	29418	0.2760	9.7818
Codeine	Codeine-D6	4.056	4473	16463	0.2717	11.0621
Amphetamine	Amphetamine-D11	4.363	90361	88011	1.0267	11.0894
Oxycodone	Oxycodone-D6	4.429	28082	119426	0.2351	10.9136
Norhydrocodone	Norhydrocodone-D3	4.779	968	31131	0.0311	9.3175 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	16951	84308	0.2011	11.0044
Methamphetamine	Methamphetamine-D11	4.782	46351	153009	0.3029	9.7015
6-MAM	6-MAM-D6	4.988	531	19671	0.0270	1.1310
Phentermine	Phentermine-D5	5.666	19167	267329	0.0717	10.4741
Dextroprorphan	Dextroprorphan-D3	6.184	16677	119630	0.1394	10.2292
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	25822	99079	0.2606	10.4109
Tramadol	Tramadol-13C-D3	6.323	155514	713516	0.2180	10.3373
Metoprolol	Oxycodone-D6	6.437	22088	119426	0.1849	11.2503
Doxylamine	Doxylamine-D5	6.662	126118	657831	0.1917	9.9413
Bupropion	Bupropion-D9	6.930	66164	274933	0.2407	10.0415
Meprobamate	Meprobamate-D7	7.012	21289	114782	0.1855	12.1696
Zolpidem	Zolpidem-D6	7.061	83773	442791	0.1892	10.0846
Venlafaxine	Venlafaxine-D6	7.165	148021	627249	0.2360	10.4404
Trazodone	Trazodone-D6	7.276	75828	338909	0.2237	10.2515
Citalopram	Citalopram-D6	7.298	90599	402503	0.2251	10.2341
Dextromethorphan	Dextromethorphan-D3	7.309	20371	92288	0.2207	10.5512
Diphenhydramine	Diphenhydramine-D3	7.332	147873	671387	0.2203	10.2979

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.507	112248	585831	0.1916	10.5654
Clonazepam	Clonazepam-D4	7.543	20882	32122	0.6501	8.0669
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	6624	27902	0.2374	11.1571
Carisoprodol	Carisoprodol-D7	7.635	45465	241171	0.1885	11.2036
Alprazolam	Alprazolam-D5	7.667	39539	148373	0.2665	10.7296
Lorazepam	Clonazepam-D4	7.643	13229	32122	0.4118	12.4440



ISP FORENSICS - Cd'A Instrument # 62340

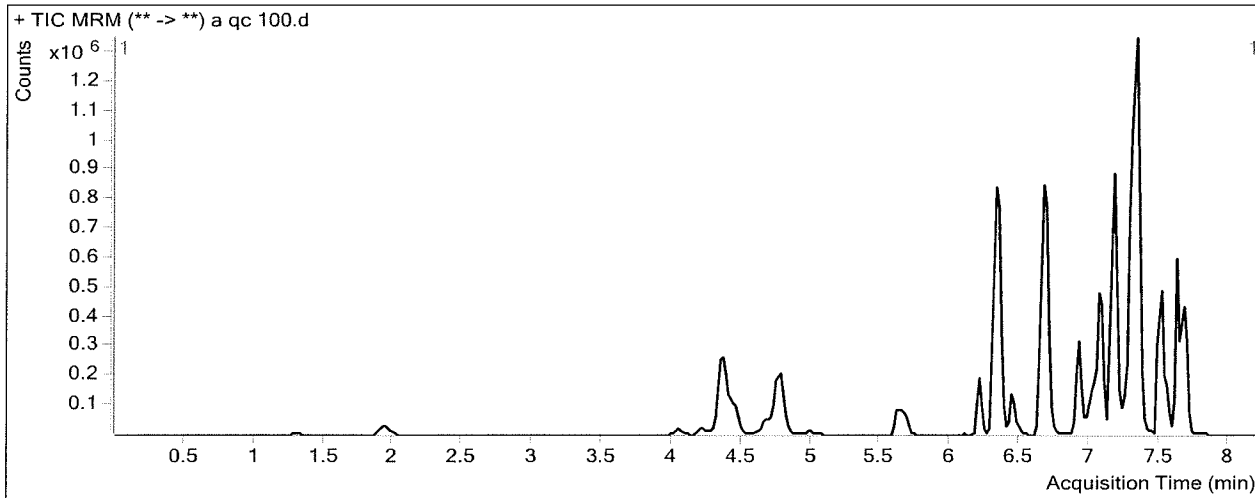
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-29 01:06 **Data File** a qc 100.d
Sample Type QC **Sample Name** a qc 100
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	20727	1634	12.6830	96.7721
Hydromorphone	Hydromorphone-D6	1.929	87213	29638	2.9426	100.9856
Codeine	Codeine-D6	4.056	44389	16605	2.6733	101.2587
Amphetamine	Amphetamine-D11	4.363	693227	84369	8.2166	101.6827
Oxycodone	Oxycodone-D6	4.449	276986	115591	2.3963	109.3933
Norhydrocodone	Norhydrocodone-D3	4.779	11398	30694	0.3714	98.8262 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	162434	84977	1.9115	112.7911
Methamphetamine	Methamphetamine-D11	4.782	414523	147869	2.8033	101.7969
6-MAM	6-MAM-D6	4.988	5646	19404	0.2910	9.9509
Phentermine	Phentermine-D5	5.666	189854	287286	0.6609	104.4672
Dextroprphan	Dextroprphan-D3	6.204	168143	114038	1.4744	103.1699
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	244420	96369	2.5363	105.5688
Tramadol	Tramadol-13C-D3	6.341	1511986	701139	2.1565	108.1968
Metoprolol	Oxycodone-D6	6.437	203116	115591	1.7572	108.5449
Doxylamine	Doxylamine-D5	6.682	1301289	636405	2.0448	106.1860
Bupropion	Bupropion-D9	6.930	504467	202503	2.4912	102.5234
Meprobamate	Meprobamate-D7	7.033	200122	110443	1.8120	118.0080
Zolpidem	Zolpidem-D6	7.082	857348	445771	1.9233	106.3378
Venlafaxine	Venlafaxine-D6	7.165	1417926	590042	2.4031	105.3269
Trazodone	Trazodone-D6	7.276	709472	311226	2.2796	105.2707
Citalopram	Citalopram-D6	7.298	731548	338204	2.1630	98.1143
Dextromethorphan	Dextromethorphan-D3	7.309	181461	79149	2.2926	104.2853
Diphenhydramine	Diphenhydramine-D3	7.332	1297297	561071	2.3122	103.4770

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.507	684503	353658	1.9355	100.9664
Clonazepam	Clonazepam-D4	7.543	205357	22783	9.0134	114.7700
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	58059	25011	2.3213	102.4635
Carisoprodol	Carisoprodol-D7	7.635	411078	231254	1.7776	104.6441
Alprazolam	Alprazolam-D5	7.667	366976	135209	2.7141	101.9282
Lorazepam	Clonazepam-D4	7.643	79096	22783	3.4717	113.5112

BW

ISP FORENSICS - Cd'A Instrument # 62340

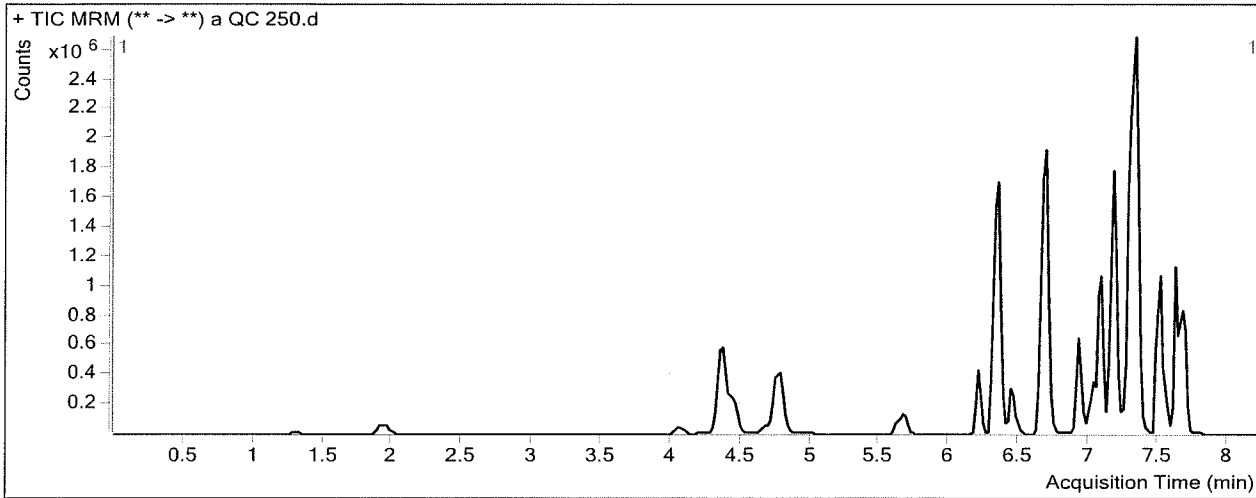
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-29 04:28 **Data File** a QC 250.d
Sample Type QC **Sample Name** a QC 250
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	50732	1539	32.9592	249.7168
Hydromorphone	Hydromorphone-D6	1.949	225480	29899	7.5413	258.2703
Codeine	Codeine-D6	4.056	110805	16075	6.8929	259.7307
Amphetamine	Amphetamine-D11	4.363	1577043	84625	18.6357	232.9634
Oxycodone	Oxycodone-D6	4.449	678161	114448	5.9255	270.2174
Norhydrocodone	Norhydrocodone-D3	4.779	31352	29312	1.0696	282.5047 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	403193	87776	4.5934	272.3856
Methamphetamine	Methamphetamine-D11	4.782	859818	123883	6.9405	254.1824
6-MAM	6-MAM-D6	4.988	14470	20250	0.7145	24.1037
Phentermine	Phentermine-D5	5.686	425882	256877	1.6579	263.5389
Dextroprphan	Dextroprphan-D3	6.204	439257	119949	3.6620	255.4617
7-aminoclonazepam	7-Aminoclonazepam-D4	6.331	575284	93177	6.1741	257.6844
Tramadol	Tramadol-13C-D3	6.341	3702445	733725	5.0461	254.0697
Metoprolol	Oxycodone-D6	6.437	480713	114448	4.2003	259.7299
Doxylamine	Doxylamine-D5	6.682	3363320	665083	5.0570	262.6389
Bupropion	Bupropion-D9	6.930	1161082	188424	6.1621	253.3754
Meprobamate	Meprobamate-D7	7.033	438908	104967	4.1814	272.1856
Zolpidem	Zolpidem-D6	7.082	2203343	464971	4.7387	262.6083
Venlafaxine	Venlafaxine-D6	7.165	3510558	606471	5.7885	253.5561
Trazodone	Trazodone-D6	7.276	1821573	351464	5.1828	239.4533
Citalopram	Citalopram-D6	7.298	1738988	315312	5.5151	250.1225
Dextromethorphan	Dextromethorphan-D3	7.309	437482	76144	5.7455	260.4931
Diphenhydramine	Diphenhydramine-D3	7.332	3083532	560091	5.5054	245.7107

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.507	1778950	365132	4.8721	253.1950
Clonazepam	Clonazepam-D4	7.543	382361	21225	18.0145	229.6092
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	125467	21224	5.9116	259.7710
Carisoprodol	Carisoprodol-D7	7.635	928887	211652	4.3888	258.1830
Alprazolam	Alprazolam-D5	7.687	867019	121996	7.1069	265.6010
Lorazepam	Clonazepam-D4	7.643	139674	21225	6.5806	216.1992



ISP FORENSICS - Cd'A Instrument # 62340

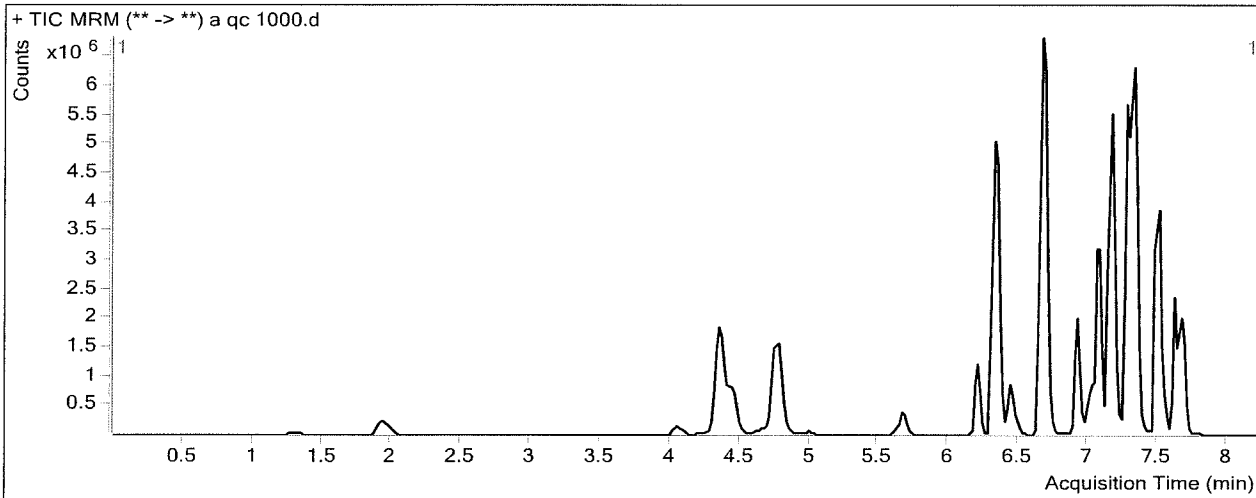
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-29 04:54 **Data File** a qc 1000.d
Sample Type QC **Sample Name** a qc 1000
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-D2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	176267	1375	128.1985	968.1121
Hydromorphone	Hydromorphone-D6	1.949	856446	28931	29.6032	1012.8290
Codeine	Codeine-D6	4.056	377944	14582	25.9177	974.2389
Amphetamine	Amphetamine-D11	4.363	5202965	95832	54.2923	682.2381 <i>outside range</i>
Oxycodone	Oxycodone-D6	4.449	2478857	112914	21.9534	1000.5949
Norhydrocodone	Norhydrocodone-D3	4.799	128522	22980	5.5927	1472.3145 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	1395599	89590	15.5776	926.0379
Methamphetamine	Methamphetamine-D11	4.782	3644834	149656	24.3547	895.5923
6-MAM	6-MAM-D6	4.988	64091	21762	2.9451	98.6354
Phentermine	Phentermine-D5	5.666	1332677	246355	5.4096	862.0752
Dextrophan	Dextrophan-D3	6.204	1521576	106406	14.2997	996.0158
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	1454760	77767	18.7067	781.7374
Tramadol	Tramadol-13C-D3	6.323	12921143	771590	16.7461	844.7073
Metoprolol	Oxycodone-D6	6.437	1442660	112914	12.7766	790.4554
Doxylamine	Doxylamine-D5	6.662	12249623	696060	17.5985	914.0328
Bupropion	Bupropion-D9	6.930	4036968	168477	23.9616	984.8253
Meprobamate	Meprobamate-D7	7.033	1248845	87030	14.3496	933.8355
Zolpidem	Zolpidem-D6	7.082	7788330	455033	17.1160	949.6261
Venlafaxine	Venlafaxine-D6	7.165	12697184	592950	21.4136	937.6967
Trazodone	Trazodone-D6	7.276	5998428	394232	15.2155	703.1490 <i>outside range</i>
Citalopram	Citalopram-D6	7.298	4370220	203584	21.4665	973.4681
Dextromethorphan	Dextromethorphan-D3	7.309	1251782	57359	21.8236	987.8750
Diphenhydramine	Diphenhydramine-D3	7.332	9031300	448992	20.1146	896.4378

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.507	8135860	442320	18.3936	954.1335
Clonazepam	Clonazepam-D4	7.543	765526	11317	67.6464	862.8346
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	312130	12498	24.9740	1094.9841
Carisoprodol	Carisoprodol-D7	7.635	2171539	132022	16.4483	967.3006
Alprazolam	Alprazolam-D5	7.667	2267672	82339	27.5408	1026.9552
Lorazepam	Clonazepam-D4	7.643	314463	11317	27.7878	916.6760 <i>outside range</i>

BJ

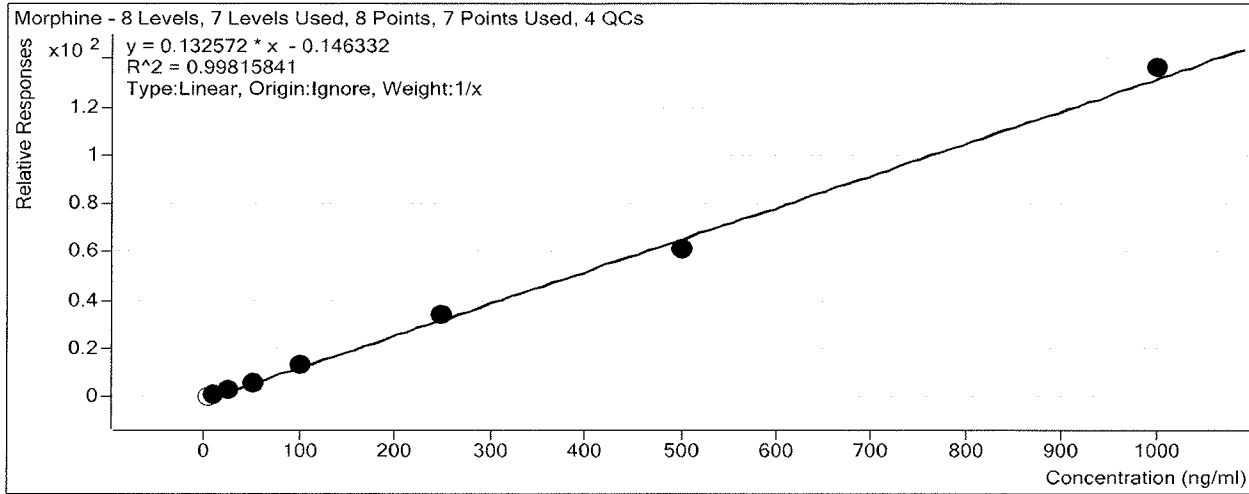
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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 type="checkbox"/>	5	6.4	128.0 *
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.5	105.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	108.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.2	98.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.3	100.3
a qc 100	5	<input checked="" type="checkbox"/>	100	96.8	96.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	255.4	102.2
a QC 250	6	<input checked="" type="checkbox"/>	250	249.7	99.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	467.4	93.5
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.7	102.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	968.1	96.8

curve range 10-1000

* S/N did not meet criteria for cal 1-5ng

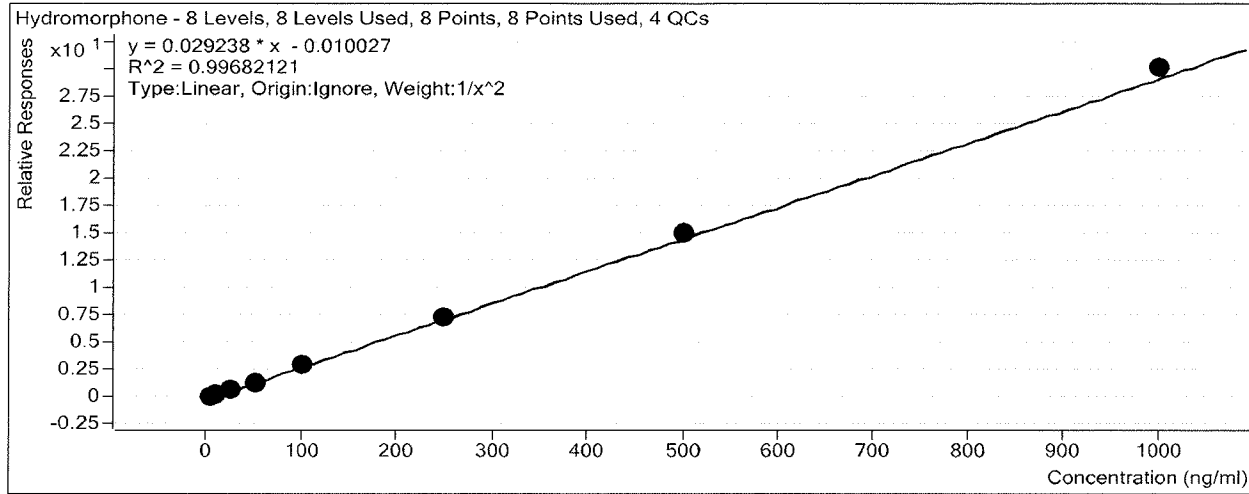
ISP

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.3	105.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.2
a QC 10	2	<input checked="" type="checkbox"/>	10	9.8	97.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	97.8
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.4	94.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.6	103.6
a qc 100	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.9	101.6
a QC 250	6	<input checked="" type="checkbox"/>	250	258.3	103.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	515.5	103.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.4	102.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1012.8	101.3

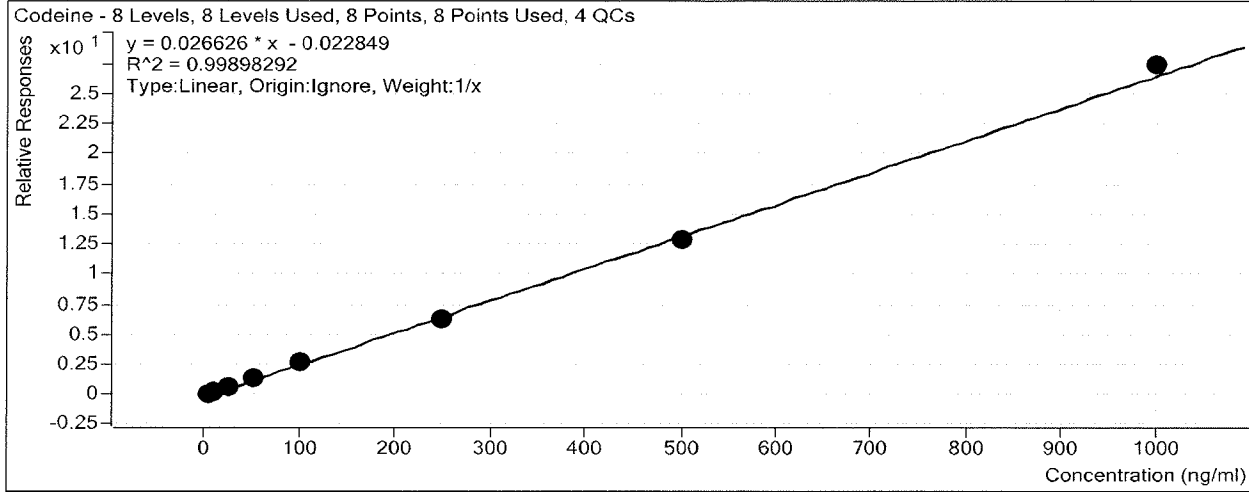
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.6	111.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.1	110.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.9	97.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.5	99.5
a qc 100	5	<input checked="" type="checkbox"/>	100	101.3	101.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	238.2	95.3
a QC 250	6	<input checked="" type="checkbox"/>	250	259.7	103.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	486.4	97.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1027.3	102.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	974.2	97.4

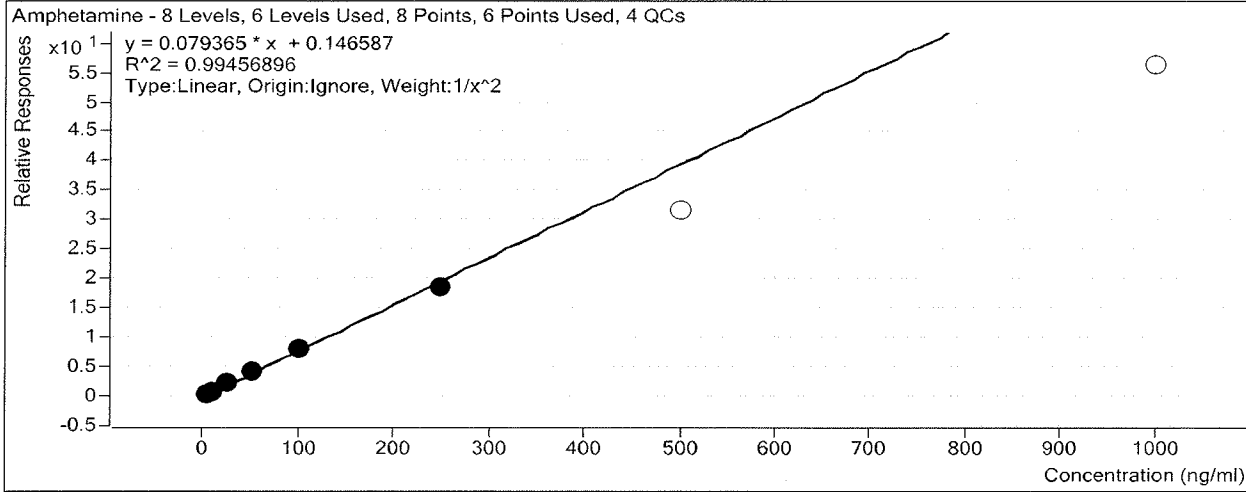
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.0	100.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.8
a QC 10	2	<input checked="" type="checkbox"/>	10	11.1	110.9
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.6	110.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.6	101.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.9	99.9
a qc 100	5	<input checked="" type="checkbox"/>	100	101.7	101.7
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.1	93.2
a QC 250	6	<input checked="" type="checkbox"/>	250	233.0	93.2
a cal 7-500ng	7	<input type="checkbox"/>	500	396.7	79.3
a cal 8-1000ng	8	<input type="checkbox"/>	1000	706.6	70.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	682.2	68.2

Curve range 5-250

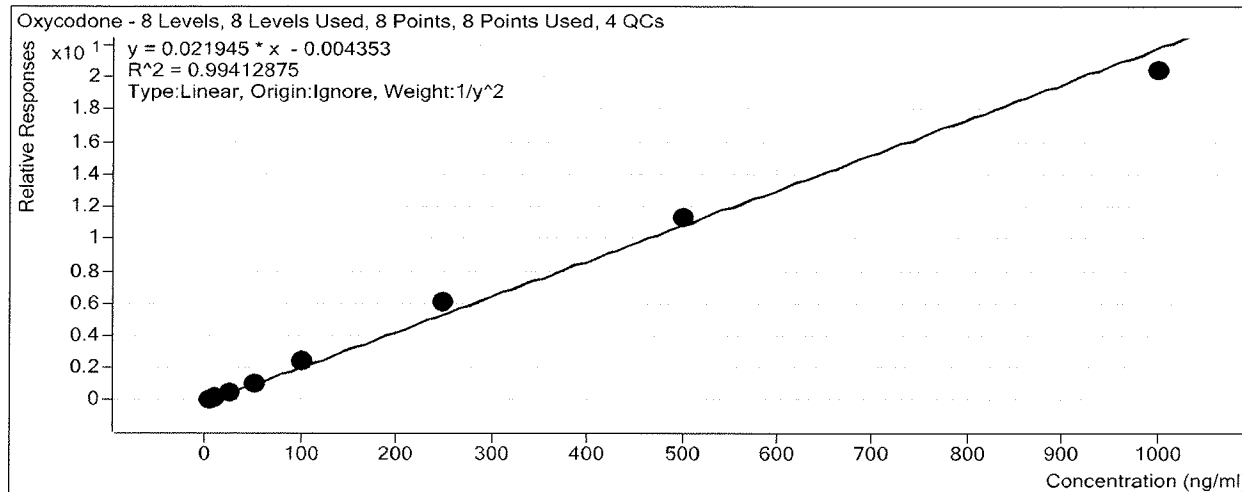
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

Target Compound Oxycodone
Internal Standard Oxycodone-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.9	109.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.0	110.0
a qc 100	5	<input checked="" type="checkbox"/>	100	109.4	109.4
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	276.3	110.5
a QC 250	6	<input checked="" type="checkbox"/>	250	270.2	108.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.9	102.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	930.0	93.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1000.6	100.1

BLW

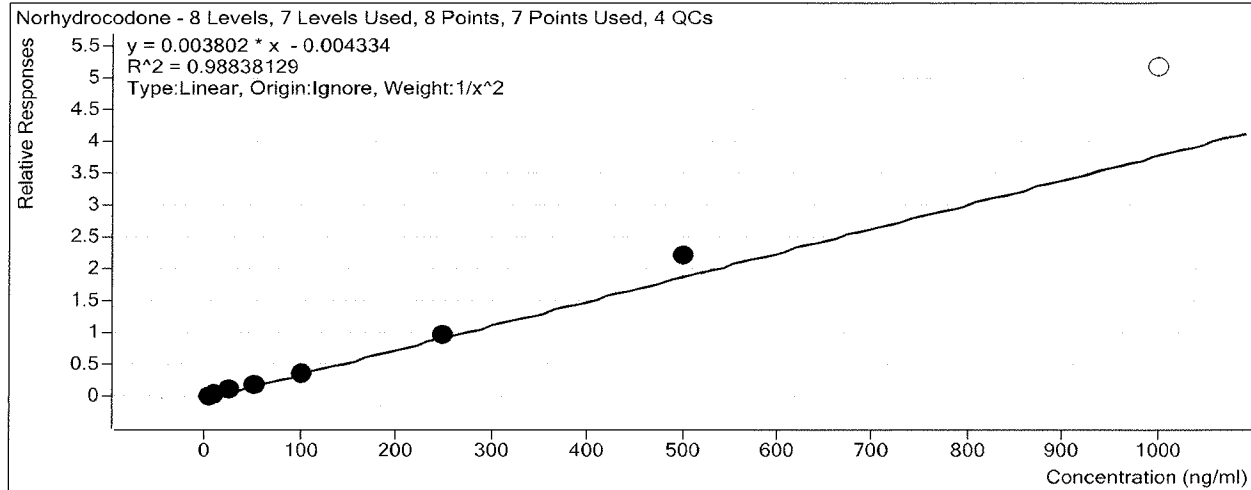
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.5
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	93.6
a QC 10	2	<input checked="" type="checkbox"/>	10	9.3	93.2
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.0	87.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.2	97.2
a qc 100	5	<input checked="" type="checkbox"/>	100	98.8	98.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250	6	<input checked="" type="checkbox"/>	250	282.5	113.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	585.0	117.0
a cal 8-1000ng	8	<input type="checkbox"/>	1000	1355.8	135.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1472.3	147.2

* Compound not evaluated
peak ratios / S/N did not meet criteria on
most points

BW

ISP Forensics Calibration Curve Report

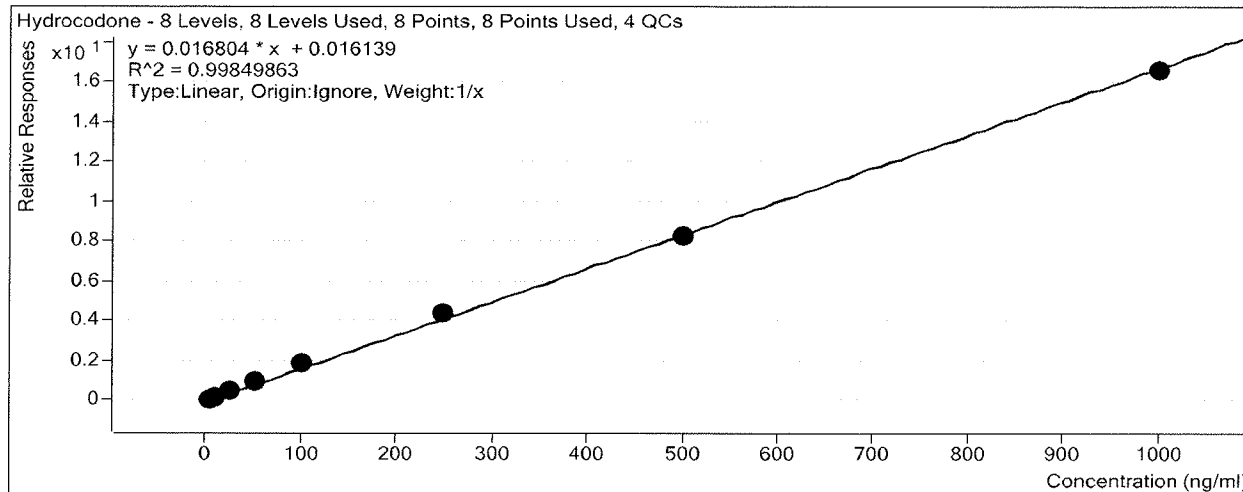
Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

Target Compound Hydrocodone

Internal Standard Hydrocodone-D6



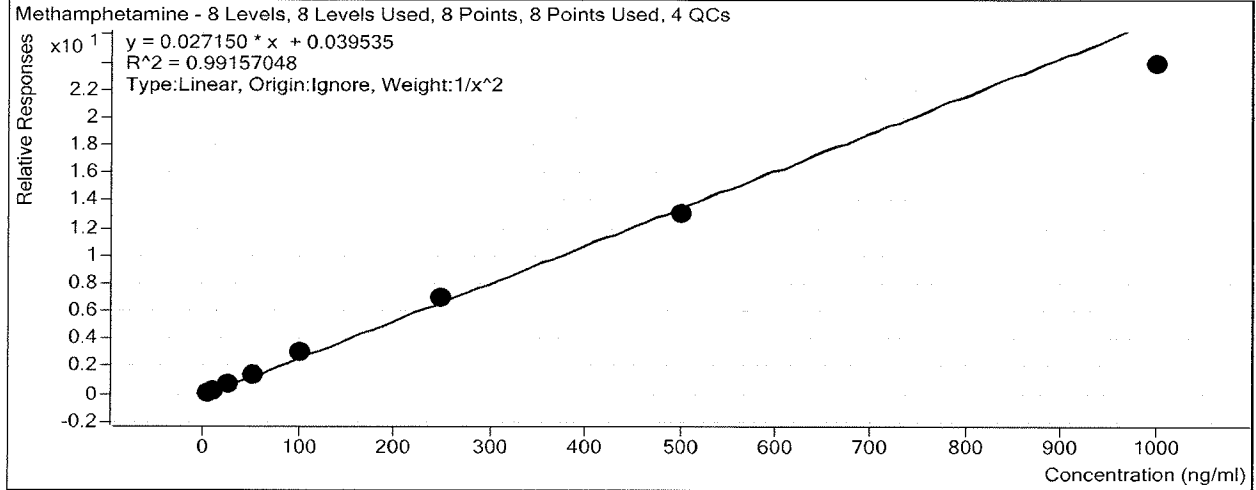
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.0	79.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
a QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.0	112.0
a qc 100	5	<input checked="" type="checkbox"/>	100	112.8	112.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.6	103.8
a QC 250	6	<input checked="" type="checkbox"/>	250	272.4	109.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	490.6	98.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.2	98.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	926.0	92.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.1
a QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.5	103.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	113.6	113.6
a qc 100	5	<input checked="" type="checkbox"/>	100	101.8	101.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.6	101.4
a QC 250	6	<input checked="" type="checkbox"/>	250	254.2	101.7
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.6	95.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	877.0	87.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	895.6	89.6

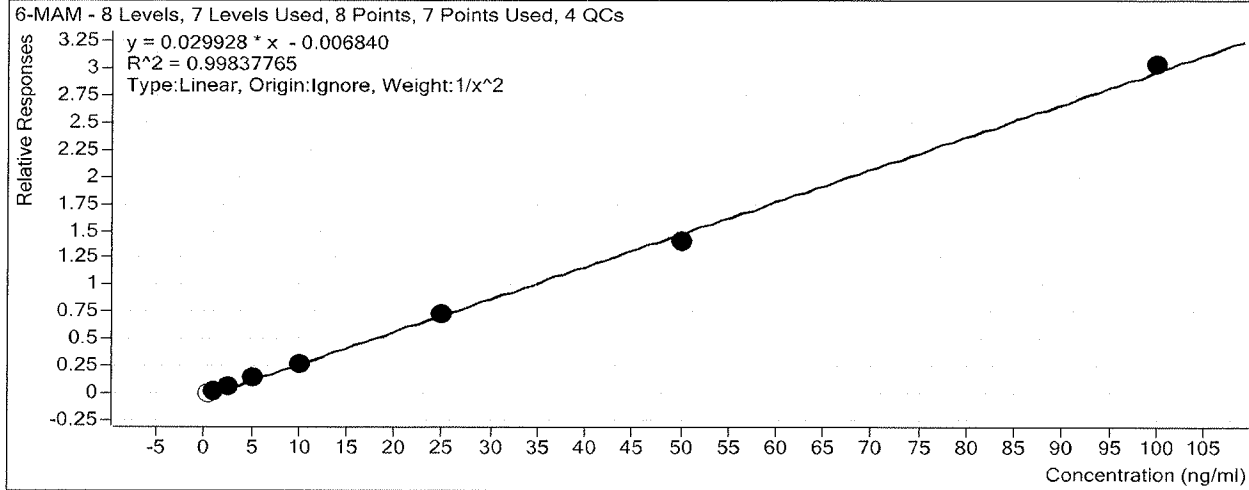
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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 type="checkbox"/>	0.5	0.7	134.1 <i>-ratio out</i>
a cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	98.5
a QC 10	2	<input checked="" type="checkbox"/>	1	1.1	113.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.3	105.6
a cal 5-100ng	5	<input checked="" type="checkbox"/>	10	9.8	98.1
a qc 100	5	<input checked="" type="checkbox"/>	10	10.0	99.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.0	100.1
a QC 250	6	<input checked="" type="checkbox"/>	25	24.1	96.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	50	47.3	94.6
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	101.5	101.5
a qc 1000	8	<input checked="" type="checkbox"/>	100	98.6	98.6

Curve range 1-100

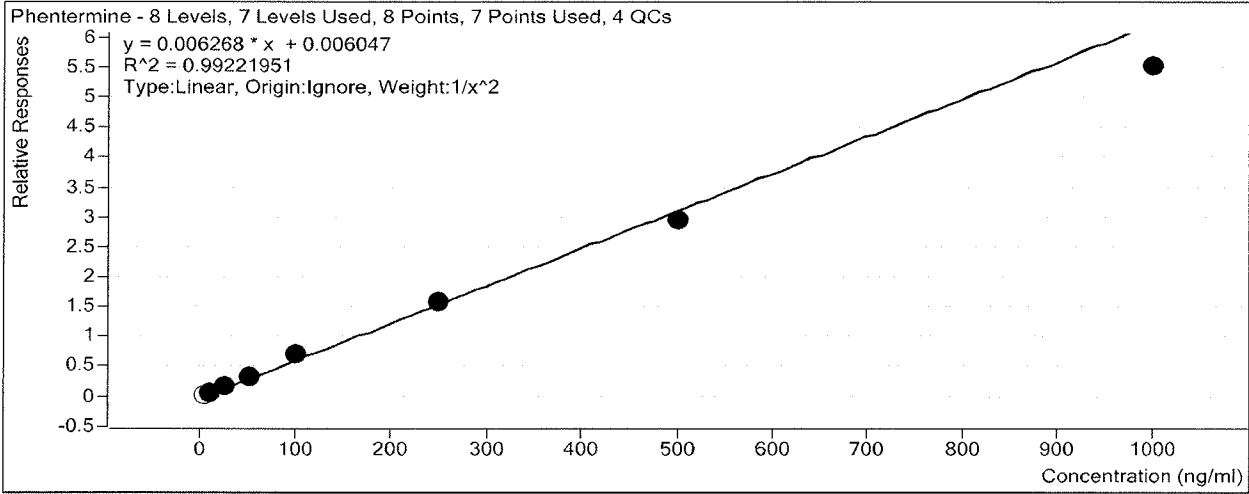
ISP

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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 type="checkbox"/>	5	4.8	95.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.8	103.1
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.8	105.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.8	110.8
a qc 100	5	<input checked="" type="checkbox"/>	100	104.5	104.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.3	101.3
a QC 250	6	<input checked="" type="checkbox"/>	250	263.5	105.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	471.8	94.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	880.1	88.0
a qc 1000	8	<input checked="" type="checkbox"/>	1000	862.1	86.2

- S/N does not meet criteria

curve range 10-1000

BW

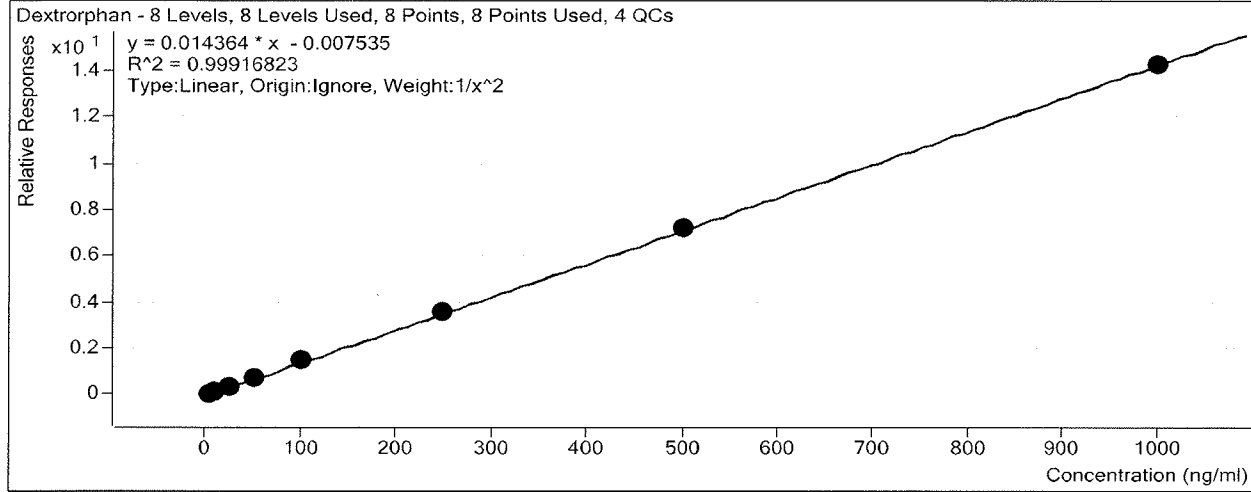
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

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



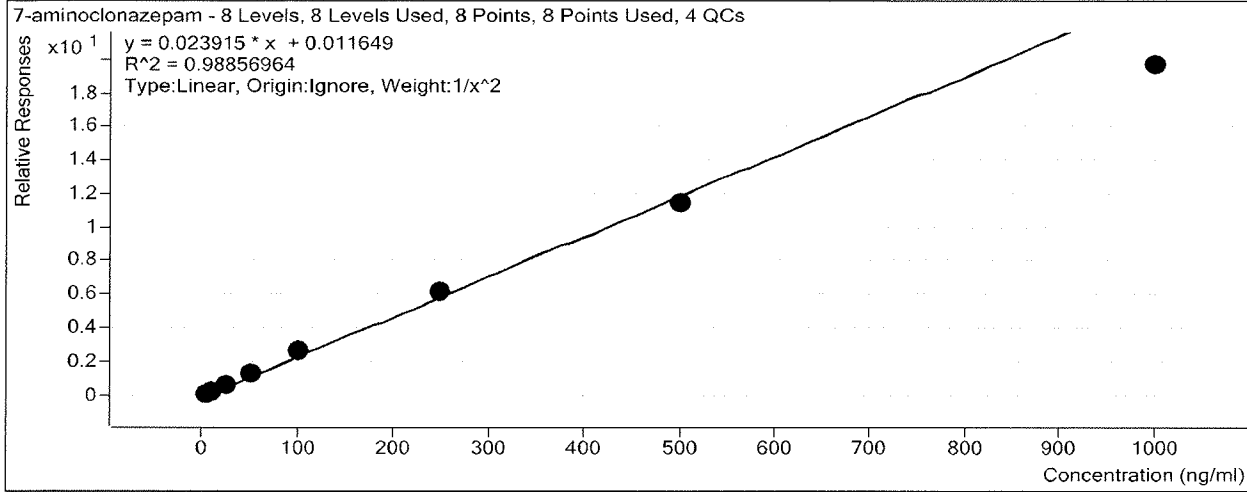
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.0
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.0	100.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.0	104.0
a qc 100	5	<input checked="" type="checkbox"/>	100	103.2	103.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
a QC 250	6	<input checked="" type="checkbox"/>	250	255.5	102.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.9	100.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	993.4	99.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	996.0	99.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM **Analyst Name** ISP TOX

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



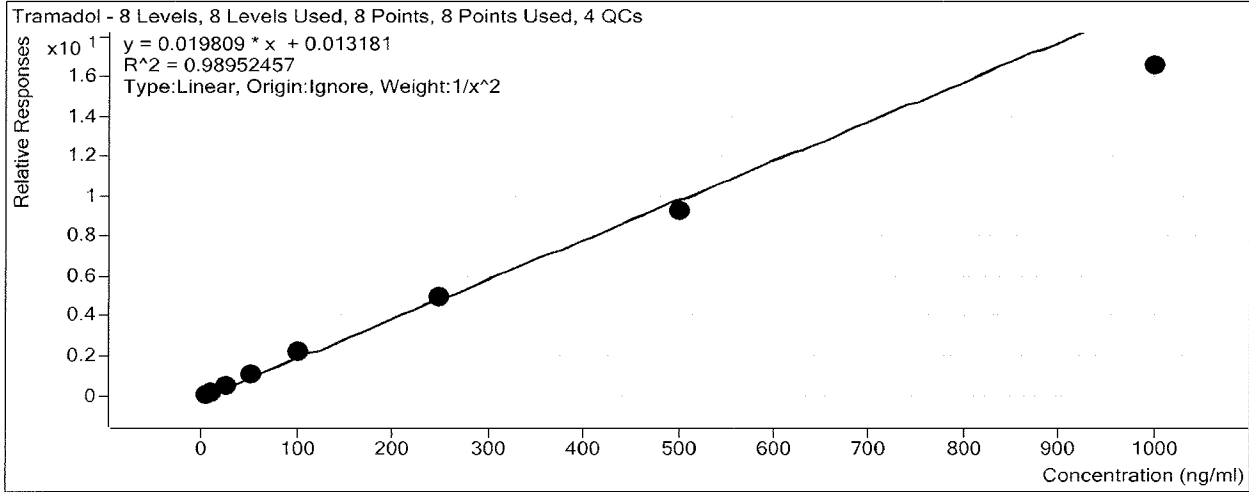
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.4
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.1
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.5	106.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	111.2	111.2
a qc 100	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	256.6	102.6
a QC 250	6	<input checked="" type="checkbox"/>	250	257.7	103.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	475.7	95.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	821.3	82.1
a qc 1000	8	<input checked="" type="checkbox"/>	1000	781.7	78.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM **Analyst Name** ISP TOX

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



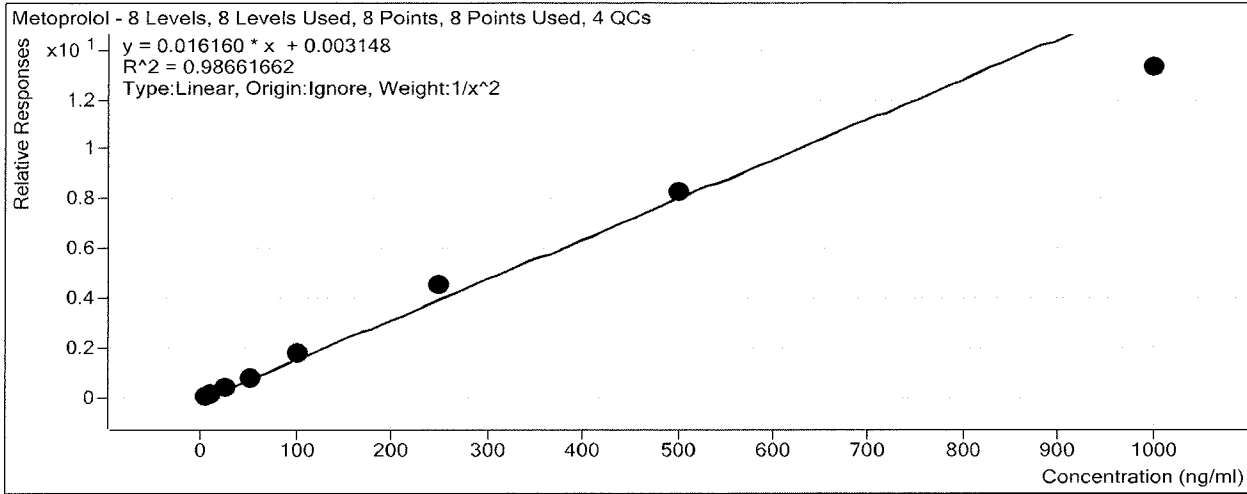
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.0	108.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	53.2	106.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	110.7	110.7
a qc 100	5	<input checked="" type="checkbox"/>	100	108.2	108.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.6	99.4
a QC 250	6	<input checked="" type="checkbox"/>	250	254.1	101.6
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	467.2	93.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	834.3	83.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	844.7	84.5

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM **Analyst Name** ISP TOX

Target Compound *Metoprolol*
Internal Standard *Oxycodone-D6*



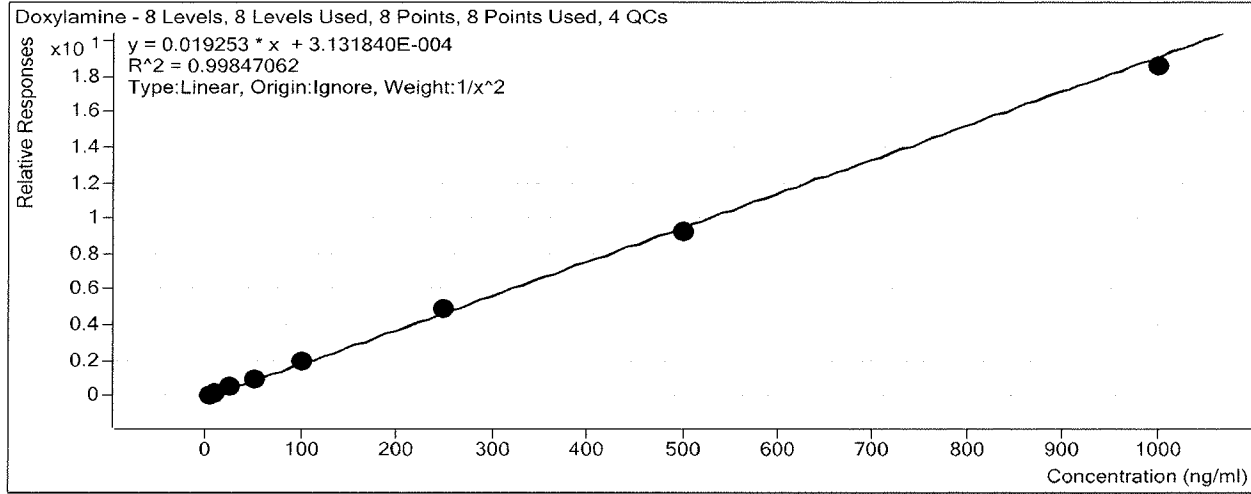
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	103.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.3
a QC 10	2	<input checked="" type="checkbox"/>	10	11.3	112.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.7
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.0
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	113.0	113.0
a qc 100	5	<input checked="" type="checkbox"/>	100	108.5	108.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	278.3	111.3
a QC 250	6	<input checked="" type="checkbox"/>	250	259.7	103.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	513.5	102.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	823.0	82.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	790.5	79.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM **Analyst Name** ISP TOX

Target Compound Doxylamine
Internal Standard Doxylamine-D5



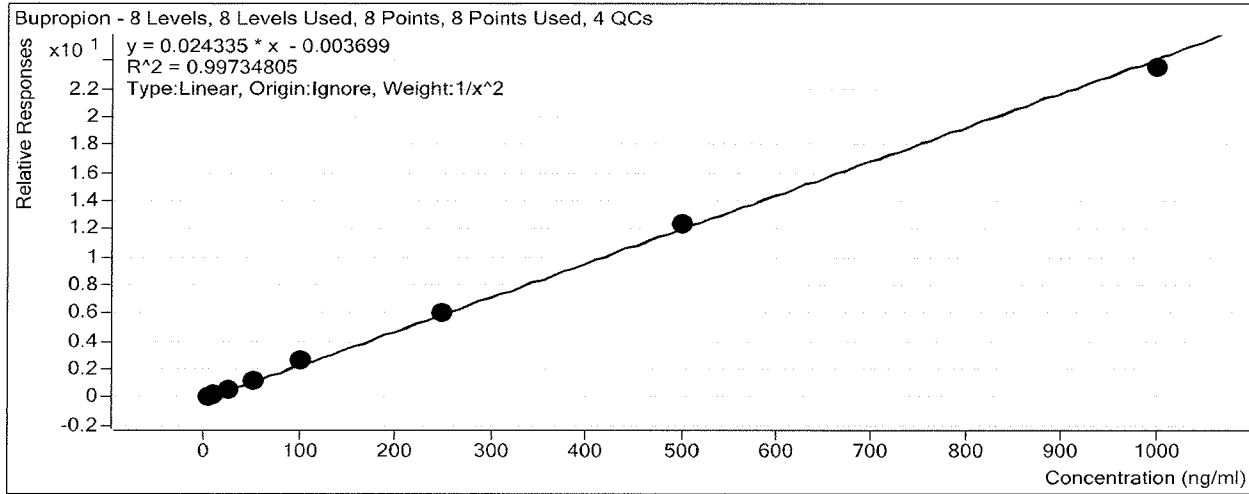
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	104.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.1	105.1
a qc 100	5	<input checked="" type="checkbox"/>	100	106.2	106.2
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.1	101.2
a QC 250	6	<input checked="" type="checkbox"/>	250	262.6	105.1
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.3	96.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	964.1	96.4
a qc 1000	8	<input checked="" type="checkbox"/>	1000	914.0	91.4

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.1	102.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.1
a QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.3	97.2
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.3	109.3
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	246.5	98.6
a QC 250	6	<input checked="" type="checkbox"/>	250	253.4	101.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	506.6	101.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.5	96.7
a qc 1000	8	<input checked="" type="checkbox"/>	1000	984.8	98.5

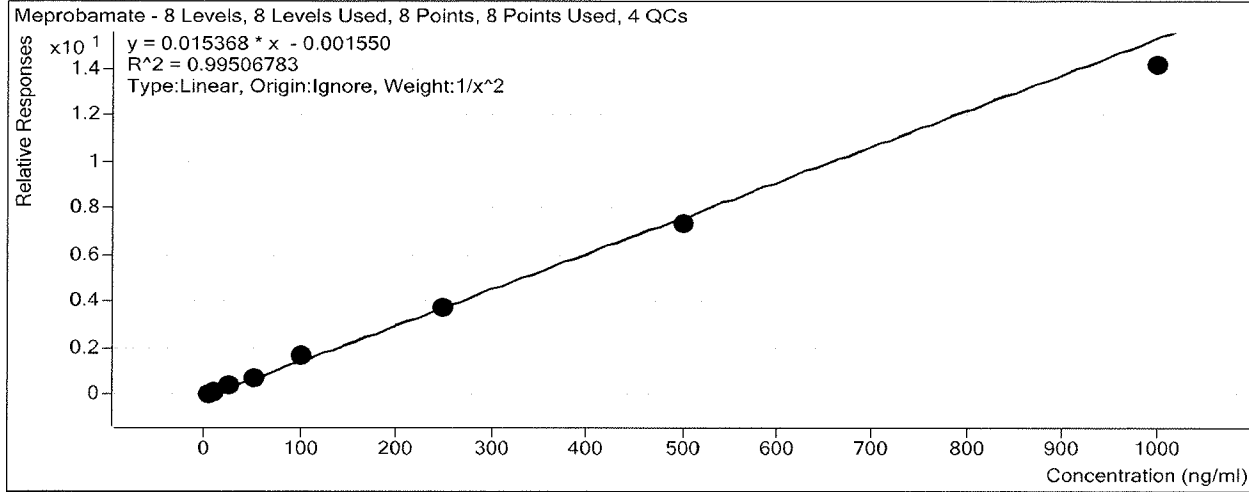
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

Target Compound Meprobamate
Internal Standard Meprobamate-D7



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	95.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.6	105.9
a QC 10	2	<input checked="" type="checkbox"/>	10	12.2	121.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.5	105.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.4	98.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.0	109.0
a qc 100	5	<input checked="" type="checkbox"/>	100	118.0	118.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	242.2	96.9
a QC 250	6	<input checked="" type="checkbox"/>	250	272.2	108.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	480.5	96.1
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	918.5	91.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	933.8	93.4

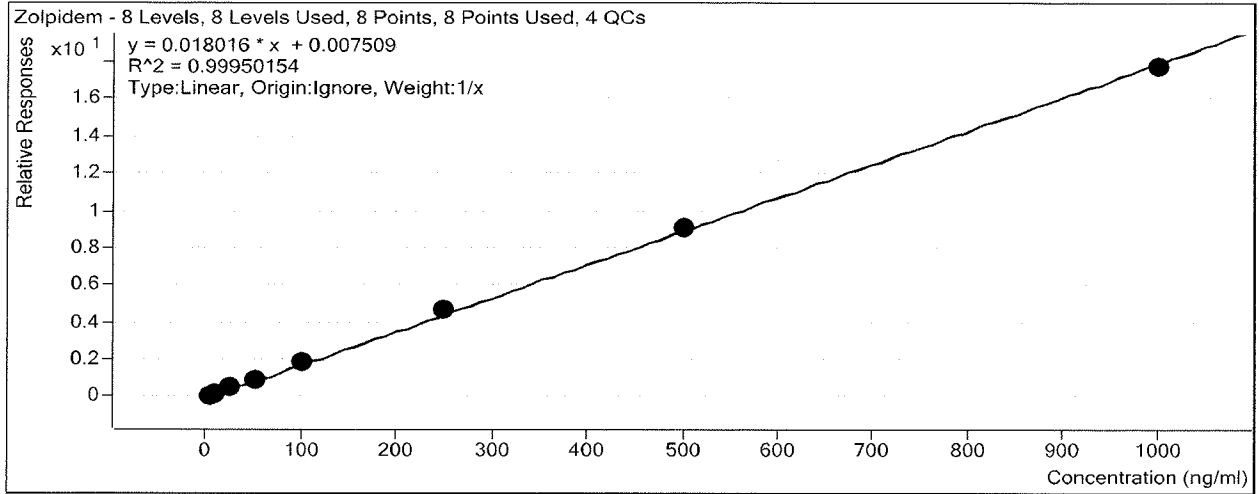
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

Target Compound Zolpidem
Internal Standard Zolpidem-D6



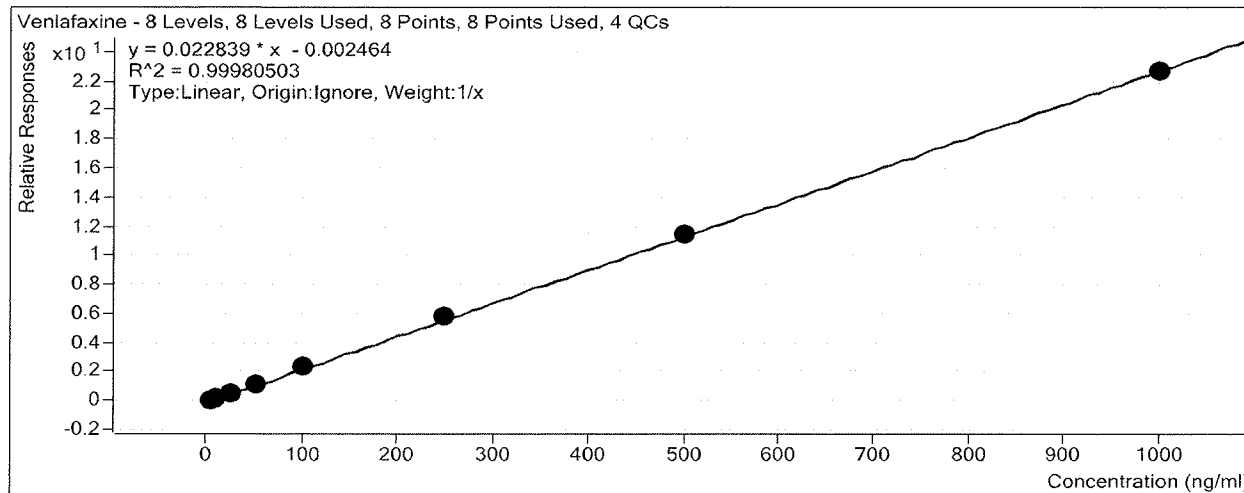
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.7	94.2
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	95.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.1	100.8
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.1	104.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.2	104.2
a qc 100	5	<input checked="" type="checkbox"/>	100	106.3	106.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.5	103.4
a QC 250	6	<input checked="" type="checkbox"/>	250	262.6	105.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.2	100.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.1	98.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	949.6	95.0

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	4.8	96.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.8
a QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.4
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.8	99.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.1	100.2
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.7	104.7
a qc 100	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.2	101.3
a QC 250	6	<input checked="" type="checkbox"/>	250	253.6	101.4
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.8	100.2
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.7	99.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	937.7	93.8

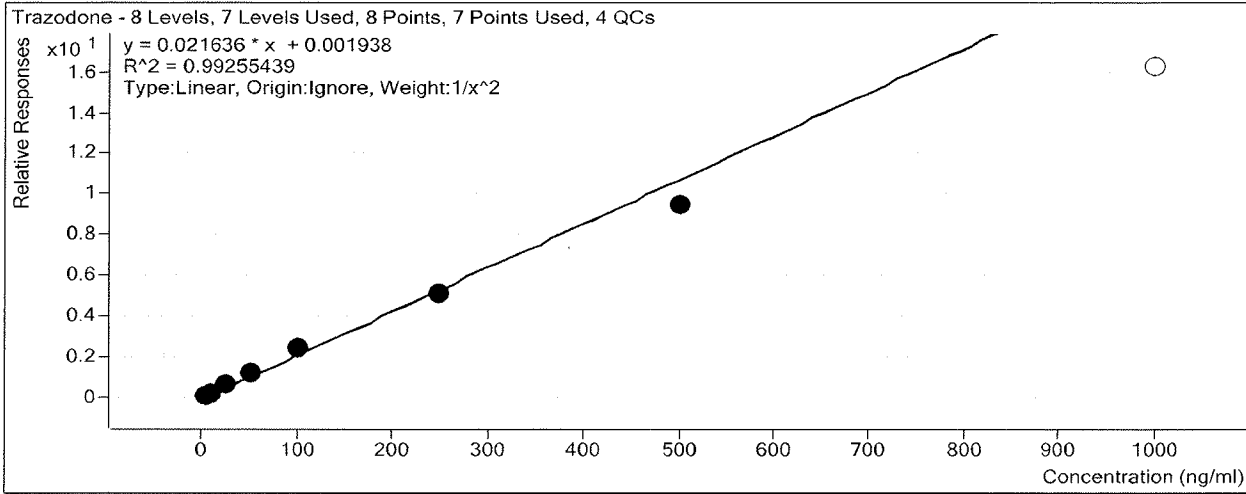
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	4.9	98.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.3	105.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.3	104.7
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	109.6	109.6
a qc 100	5	<input checked="" type="checkbox"/>	100	105.3	105.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	236.4	94.6
a QC 250	6	<input checked="" type="checkbox"/>	250	239.5	95.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	439.2	87.8
a cal 8-1000ng	8	<input type="checkbox"/>	1000	751.6	75.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	703.1	70.3

- top of peak cutoff

Curve range 5-500

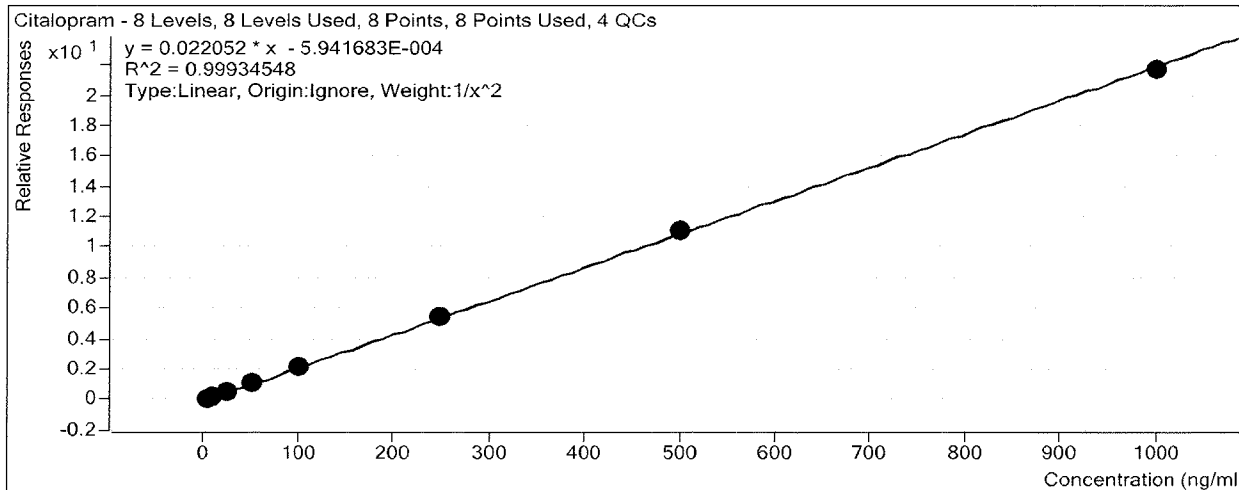
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	100.7
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.6
a QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.2	104.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	99.7	99.7
a qc 100	5	<input checked="" type="checkbox"/>	100	98.1	98.1
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	244.6	97.8
a QC 250	6	<input checked="" type="checkbox"/>	250	250.1	100.0
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	504.7	100.9
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	983.1	98.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	973.5	97.3

BW

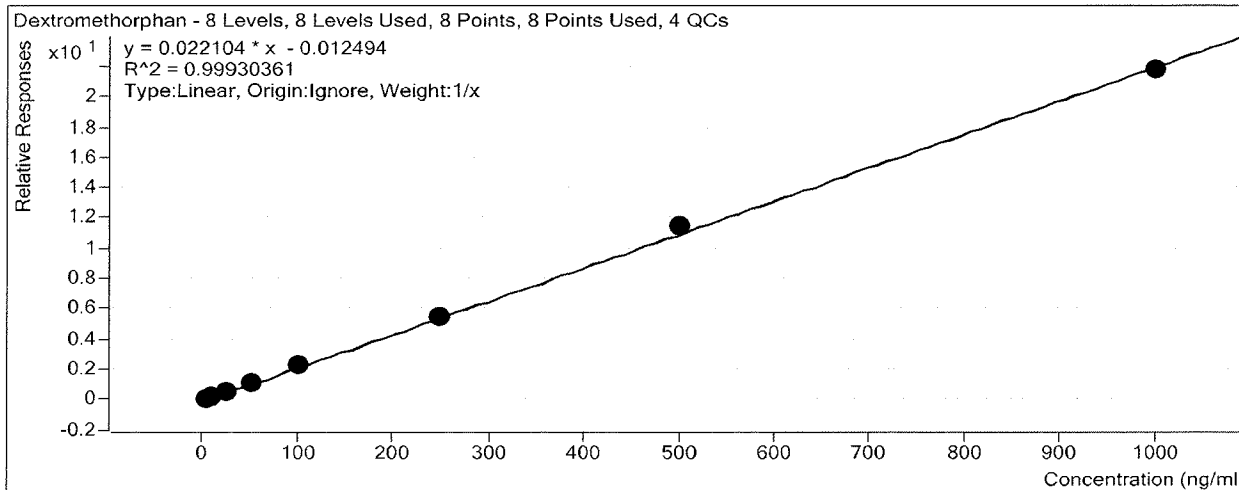
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	103.1
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.3
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.5
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.6	95.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.9	104.9
a qc 100	5	<input checked="" type="checkbox"/>	100	104.3	104.3
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.3	98.1
a QC 250	6	<input checked="" type="checkbox"/>	250	260.5	104.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	516.9	103.4
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.6	98.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	987.9	98.8

ISP

ISP Forensics Calibration Curve Report

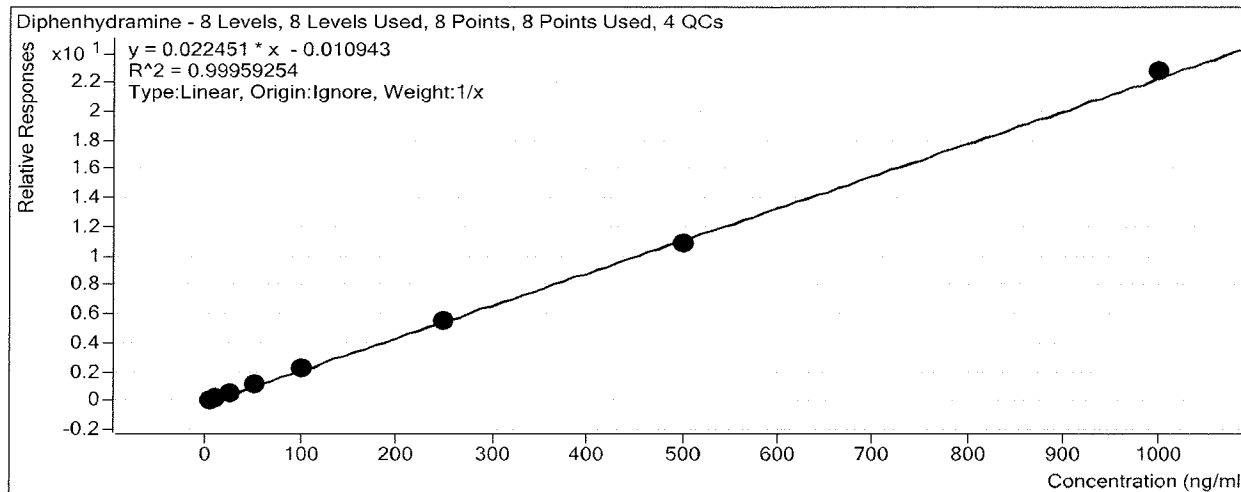
Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

Target Compound *Diphenhydramine*

Internal Standard *Diphenhydramine-D3*



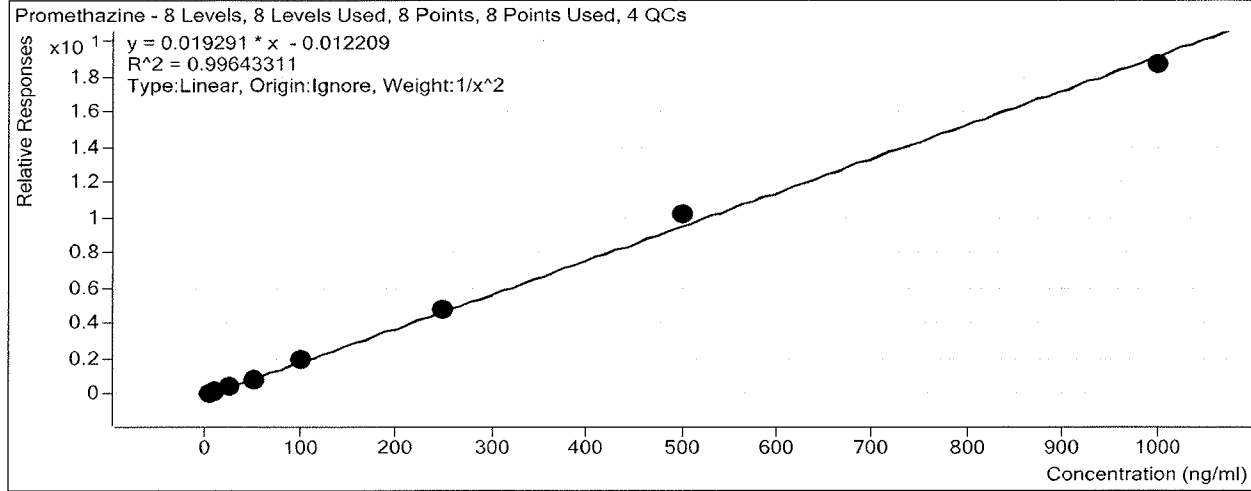
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.2	104.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.5
a QC 10	2	<input checked="" type="checkbox"/>	10	10.3	103.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.6
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.0	95.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.8	102.8
a qc 100	5	<input checked="" type="checkbox"/>	100	103.5	103.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	245.9	98.3
a QC 250	6	<input checked="" type="checkbox"/>	250	245.7	98.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	488.5	97.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1014.6	101.5
a qc 1000	8	<input checked="" type="checkbox"/>	1000	896.4	89.6

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.0	99.8
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.1	101.2
a QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	44.7	89.3
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.7	103.7
a qc 100	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.0	100.0
a QC 250	6	<input checked="" type="checkbox"/>	250	253.2	101.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	533.7	106.7
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	969.5	96.9
a qc 1000	8	<input checked="" type="checkbox"/>	1000	954.1	95.4

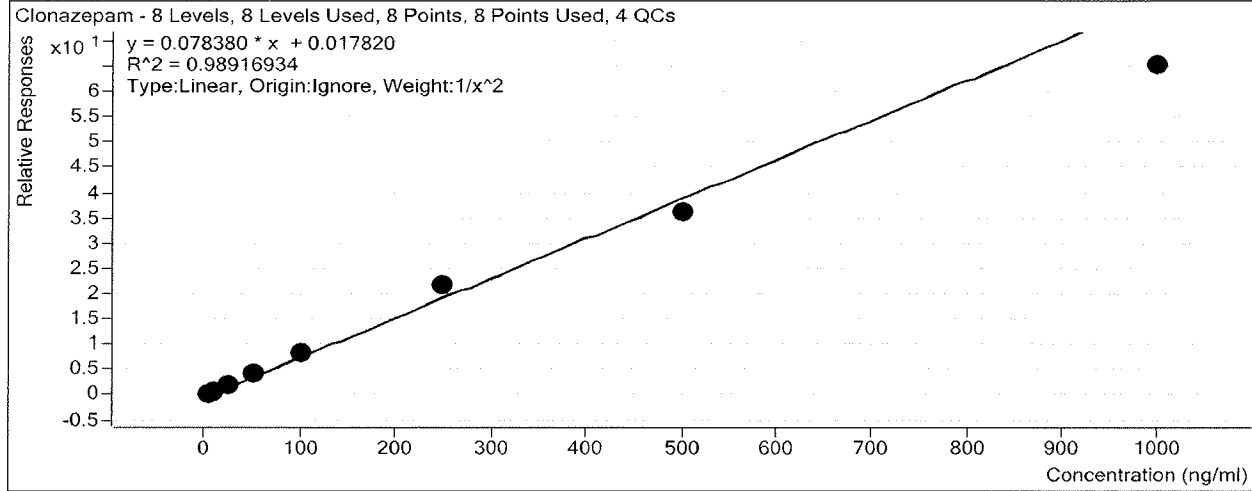
- top of QC qualifier peak cutoff.

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.0	99.4
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.7
a QC 10	2	<input checked="" type="checkbox"/>	10	8.1	80.7
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.9	107.4
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.4	104.8
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.6	105.6
a qc 100	5	<input checked="" type="checkbox"/>	100	114.8	114.8
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	276.6	110.6
a QC 250	6	<input checked="" type="checkbox"/>	250	229.6	91.8
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	461.3	92.3
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	831.8	83.2
a qc 1000	8	<input checked="" type="checkbox"/>	1000	862.8	86.3

ISP

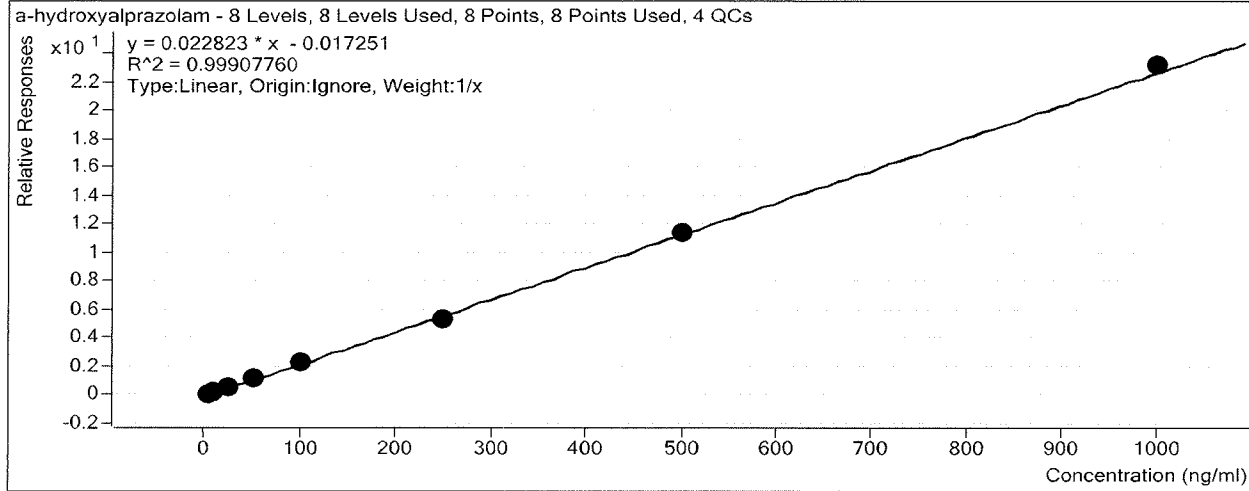
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.0	99.9
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	111.6
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	26.0	103.9
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.8	99.5
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.0	101.0
a qc 100	5	<input checked="" type="checkbox"/>	100	102.5	102.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	231.9	92.7
a QC 250	6	<input checked="" type="checkbox"/>	250	259.8	103.9
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	500.0	100.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1016.4	101.6
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1095.0	109.5

BW

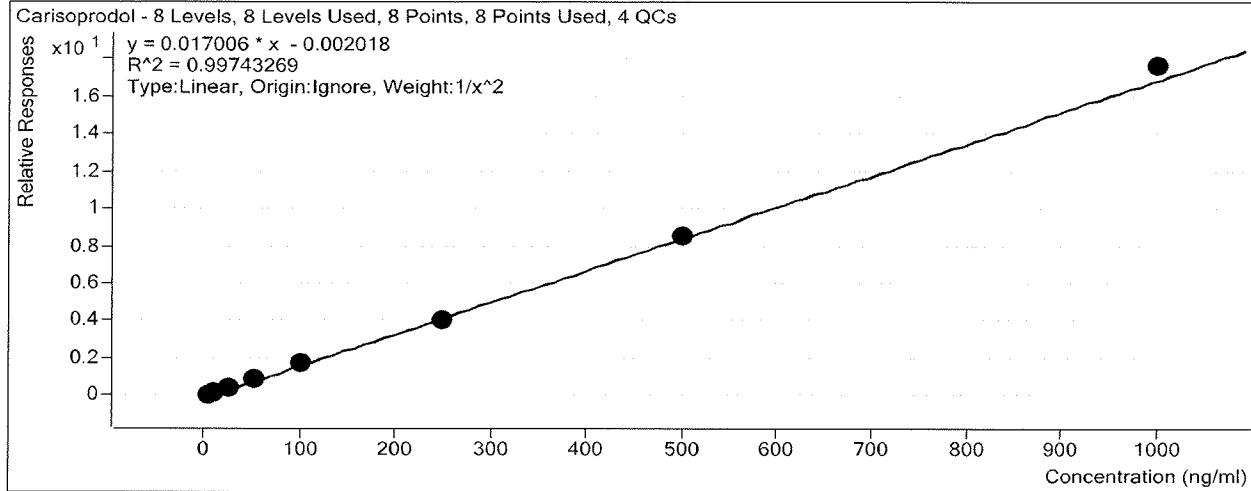
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.2	103.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.1	91.1
a QC 10	2	<input checked="" type="checkbox"/>	10	11.2	112.0
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.9	99.9
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.1	102.1
a qc 100	5	<input checked="" type="checkbox"/>	100	104.6	104.6
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.8	95.9
a QC 250	6	<input checked="" type="checkbox"/>	250	258.2	103.3
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.1	101.0
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1037.6	103.8
a qc 1000	8	<input checked="" type="checkbox"/>	1000	967.3	96.7

BW

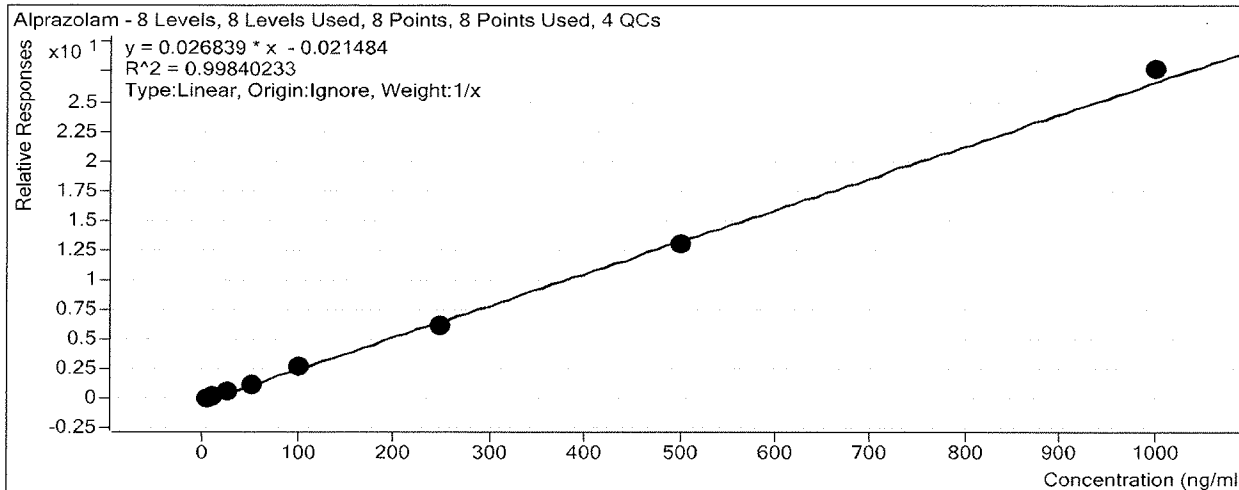
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 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	5.4	107.6
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	101.7
a QC 10	2	<input checked="" type="checkbox"/>	10	10.7	107.3
a cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.0
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.1	96.1
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	101.2	101.2
a qc 100	5	<input checked="" type="checkbox"/>	100	101.9	101.9
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	233.3	93.3
a QC 250	6	<input checked="" type="checkbox"/>	250	265.6	106.2
a cal 7-500ng	7	<input checked="" type="checkbox"/>	500	484.0	96.8
a cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1032.9	103.3
a qc 1000	8	<input checked="" type="checkbox"/>	1000	1027.0	102.7

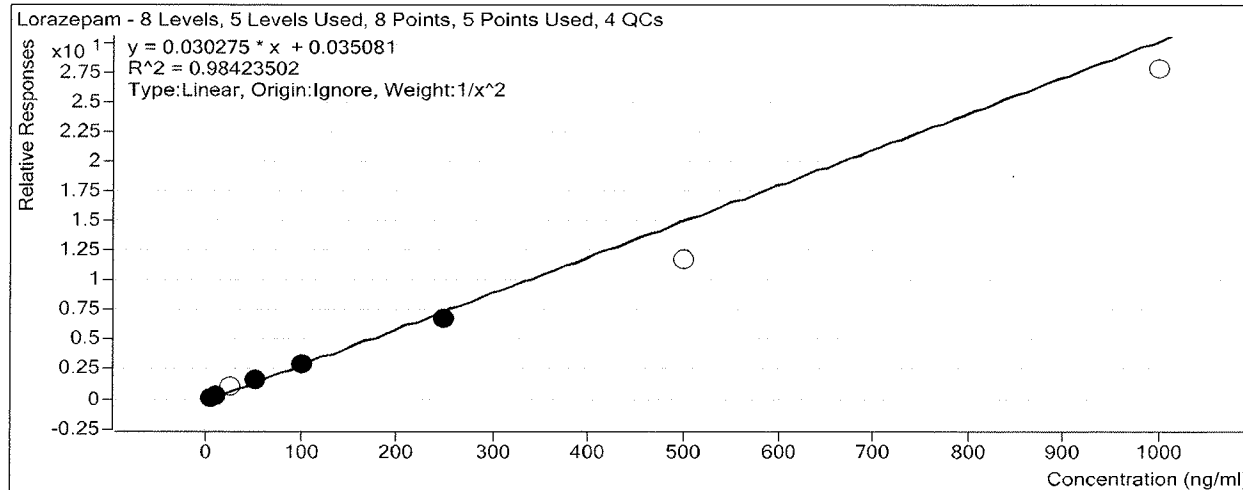
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin

Last Calib Update 8/29/2018 9:58 AM

Analyst Name ISP TOX

Target Compound Lorazepam
Internal Standard Clonazepam-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
a cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.6	92.9
a cal 2-10ng	2	<input checked="" type="checkbox"/>	10	11.3	113.3
a QC 10	2	<input checked="" type="checkbox"/>	10	12.4	124.4
a cal 3-25ng	3	<input type="checkbox"/>	25	36.8	147.0 - ratio out
a cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.7	109.4
a cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.5	94.5
a qc 100	5	<input checked="" type="checkbox"/>	100	113.5	113.5
a cal 6-250ng	6	<input checked="" type="checkbox"/>	250	224.8	89.9
a QC 250	6	<input checked="" type="checkbox"/>	250	216.2	86.5
a cal 7-500ng	7	<input type="checkbox"/>	500	384.5	76.9 - part of peak missing
a cal 8-1000ng	8	<input type="checkbox"/>	1000	915.8	91.6 - ratio out / top of peak cutoff
a qc 1000	8	<input checked="" type="checkbox"/>	1000	916.7	91.7

ISP FORENSICS - Cd'A Instrument # 62340

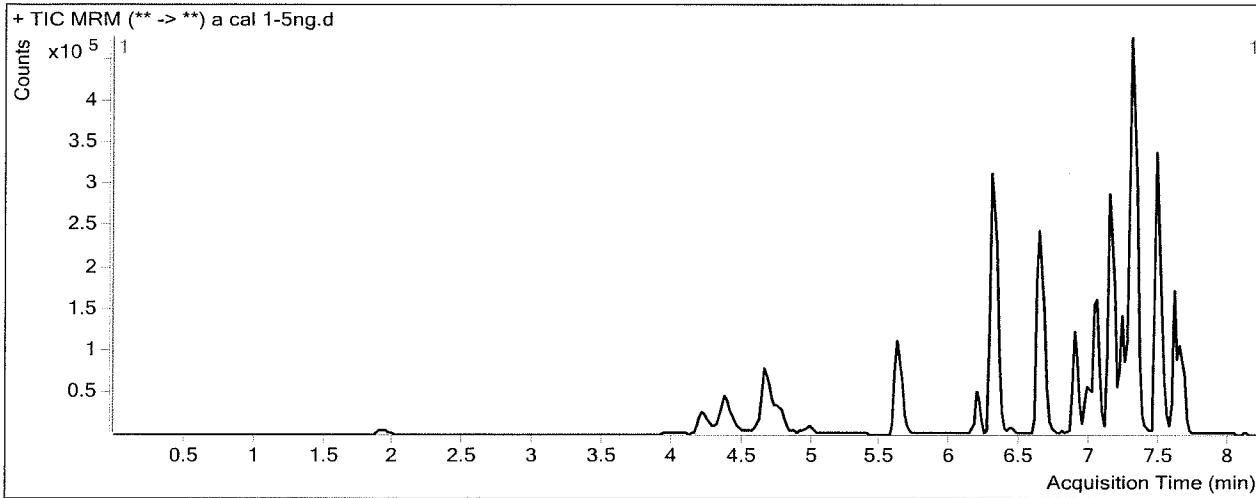
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 16:26 **Data File** a cal 1-5ng.d
Sample Type Calibration **Sample Name** a cal 1-5ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	992	1412	0.7024	6.4022 <i>outside range</i>
Hydromorphone	Hydromorphone-D6	1.929	4260	29658	0.1436	5.2552
Codeine	Codeine-D6	4.056	2216	17642	0.1256	5.5760
Amphetamine	Amphetamine-D11	4.363	65251	119582	0.5457	5.0283
Oxycodone	Oxycodone-D6	4.429	13482	125007	0.1079	5.1130
Norhydrocodone	Norhydrocodone-D3	4.799	523	33647	0.0155	5.2260 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	7660	92415	0.0829	3.9718
Methamphetamine	Methamphetamine-D11	4.782	51857	290756	0.1784	5.1130
6-MAM	6-MAM-D6	4.988	273	20631	0.0132	0.6706 <i>outside range</i>
Phentermine	Phentermine-D5	5.666	13084	364010	0.0359	4.7696 <i>outside range</i>
Dextroprphan	Dextroprphan-D3	6.184	8546	129637	0.0659	5.1141
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	13513	102834	0.1314	5.0076
Tramadol	Tramadol-13C-D3	6.323	79746	734825	0.1085	4.8131
Metoprolol	Oxycodone-D6	6.437	10855	125007	0.0868	5.1788
Doxylamine	Doxylamine-D5	6.662	67723	696373	0.0973	5.0348
Bupropion	Bupropion-D9	6.910	39051	322239	0.1212	5.1320
Meprobamate	Meprobamate-D7	7.012	9522	132283	0.0720	4.7849
Zolpidem	Zolpidem-D6	7.061	43152	467204	0.0924	4.7099
Venlafaxine	Venlafaxine-D6	7.145	70898	656723	0.1080	4.8348
Trazodone	Trazodone-D6	7.256	39721	366419	0.1084	4.9207
Citalopram	Citalopram-D6	7.278	49125	444792	0.1104	5.0352
Dextromethorphan	Dextromethorphan-D3	7.309	10763	106070	0.1015	5.1557
Diphenhydramine	Diphenhydramine-D3	7.312	77157	724556	0.1065	5.2306

BW

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	60696	722340	0.0840	4.9887
Clonazepam	Clonazepam-D4	7.523	13014	31962	0.4072	4.9675
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	3141	31934	0.0983	5.0650
Carisoprodol	Carisoprodol-D7	7.612	24735	286388	0.0864	5.1973
Alprazolam	Alprazolam-D5	7.667	19858	161641	0.1229	5.3779
Lorazepam	Clonazepam-D4	7.643	5616	31962	0.1757	4.6447



ISP FORENSICS - Cd'A Instrument # 62340

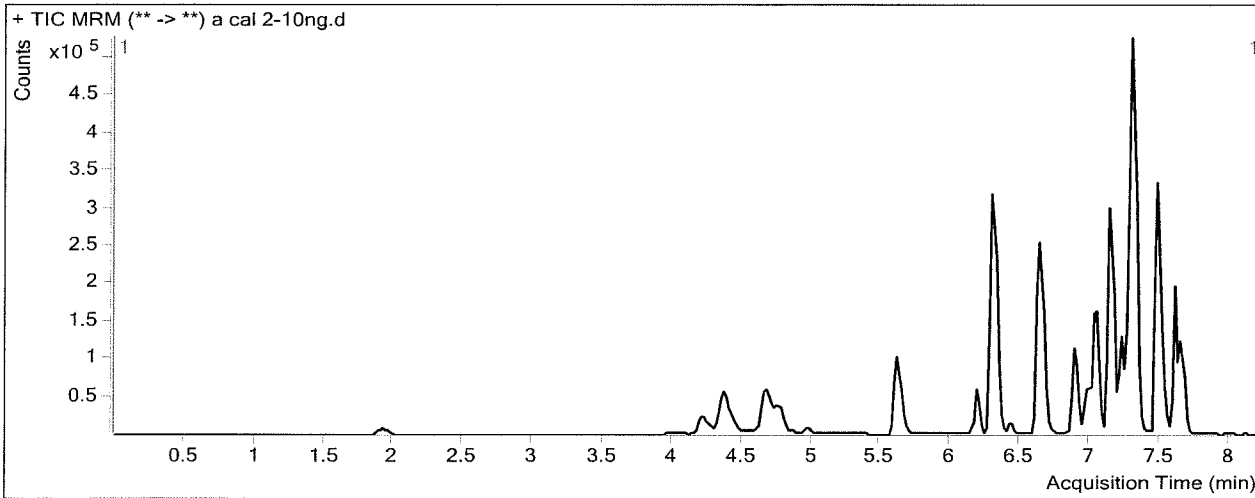
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 16:51 **Data File** a cal 2-10ng.d
Sample Type Calibration **Sample Name** a cal 2-10ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	1909	1530	1.2480	10.5174
Hydromorphone	Hydromorphone-D6	1.929	7878	30708	0.2565	9.1170
Codeine	Codeine-D6	4.056	4351	17896	0.2431	9.9898
Amphetamine	Amphetamine-D11	4.363	96336	107177	0.8989	9.4786
Oxycodone	Oxycodone-D6	4.449	25779	123179	0.2093	9.7352
Norhydrocodone	Norhydrocodone-D3	4.779	950	30414	0.0312	9.3584 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	15458	86974	0.1777	9.6158
Methamphetamine	Methamphetamine-D11	4.782	62196	214825	0.2895	9.2075
6-MAM	6-MAM-D6	4.988	450	19887	0.0226	0.9852
Phentermine	Phentermine-D5	5.666	21896	328461	0.0667	9.6705
Dextrophan	Dextrophan-D3	6.184	16260	124694	0.1304	9.6025
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	23618	99486	0.2374	9.4398
Tramadol	Tramadol-13C-D3	6.323	146581	679640	0.2157	10.2222
Metoprolol	Oxycodone-D6	6.437	18763	123179	0.1523	9.2316
Doxylamine	Doxylamine-D5	6.662	117132	628005	0.1865	9.6711
Bupropion	Bupropion-D9	6.910	64005	280944	0.2278	9.5140
Meprobamate	Meprobamate-D7	7.012	20121	124842	0.1612	10.5884
Zolpidem	Zolpidem-D6	7.061	79279	442758	0.1791	9.5220
Venlafaxine	Venlafaxine-D6	7.145	137786	617625	0.2231	9.8758
Trazodone	Trazodone-D6	7.256	73193	336542	0.2175	9.9623
Citalopram	Citalopram-D6	7.278	91403	425746	0.2147	9.7625
Dextromethorphan	Dextromethorphan-D3	7.309	20894	103142	0.2026	9.7296
Diphenhydramine	Diphenhydramine-D3	7.312	145123	690249	0.2102	9.8523

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	121153	661979	0.1830	10.1202
Clonazepam	Clonazepam-D4	7.523	24081	31042	0.7758	9.6701
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	6337	30065	0.2108	9.9915
Carisoprodol	Carisoprodol-D7	7.612	43240	282720	0.1529	9.1119
Alprazolam	Alprazolam-D5	7.667	37932	150913	0.2513	10.1656
Lorazepam	Clonazepam-D4	7.643	11736	31042	0.3781	11.3284



ISP FORENSICS - Cd'A Instrument # 62340

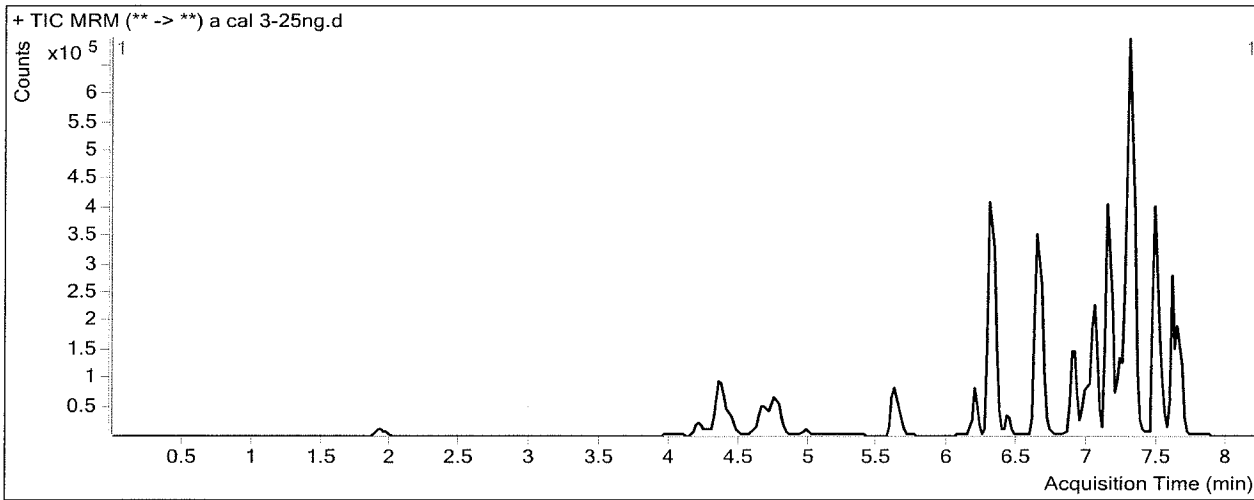
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 17:16 **Data File** a cal 3-25ng.d
Sample Type Calibration **Sample Name** a cal 3-25ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	4685	1515	3.0924	24.4300
Hydromorphone	Hydromorphone-D6	1.929	20548	29139	0.7052	24.4609
Codeine	Codeine-D6	4.056	10748	17459	0.6156	23.9777
Amphetamine	Amphetamine-D11	4.363	217652	93195	2.3355	27.5798
Oxycodone	Oxycodone-D6	4.429	66862	127172	0.5258	24.1568
Norhydrocodone	Norhydrocodone-D3	4.779	2846	31621	0.0900	24.8172 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.734	41594	88901	0.4679	26.8817
Methamphetamine	Methamphetamine-D11	4.782	123497	165739	0.7451	25.9889
6-MAM	6-MAM-D6	4.988	1400	20238	0.0692	2.5396
Phentermine	Phentermine-D5	5.666	45564	271726	0.1677	25.7872
Dextroprphan	Dextroprphan-D3	6.184	42748	124819	0.3425	24.3670
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	66231	101306	0.6538	26.8503
Tramadol	Tramadol-13C-D3	6.323	384750	701940	0.5481	27.0049
Metoprolol	Oxycodone-D6	6.417	51645	127172	0.4061	24.9359
Doxylamine	Doxylamine-D5	6.662	323242	644125	0.5018	26.0483
Bupropion	Bupropion-D9	6.910	168385	286560	0.5876	24.2991
Meprobamate	Meprobamate-D7	7.012	51579	127247	0.4053	26.4772
Zolpidem	Zolpidem-D6	7.041	220712	461188	0.4786	26.1469
Venlafaxine	Venlafaxine-D6	7.145	356859	633931	0.5629	24.7557
Trazodone	Trazodone-D6	7.256	200314	350533	0.5715	26.3224
Citalopram	Citalopram-D6	7.278	235159	424914	0.5534	25.1233
Dextromethorphan	Dextromethorphan-D3	7.288	52455	97713	0.5368	24.8516
Diphenhydramine	Diphenhydramine-D3	7.312	375111	677511	0.5537	25.1487

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	301324	626481	0.4810	25.5661
Clonazepam	Clonazepam-D4	7.523	61874	29145	2.1230	26.8584
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	16277	28291	0.5753	25.9647
Carisoprodol	Carisoprodol-D7	7.612	124347	287292	0.4328	25.5693
Alprazolam	Alprazolam-D5	7.647	101352	155978	0.6498	25.0110
Lorazepam	Clonazepam-D4	7.643	33453	29145	1.1478	36.7539

ISP FORENSICS - Cd'A Instrument # 62340

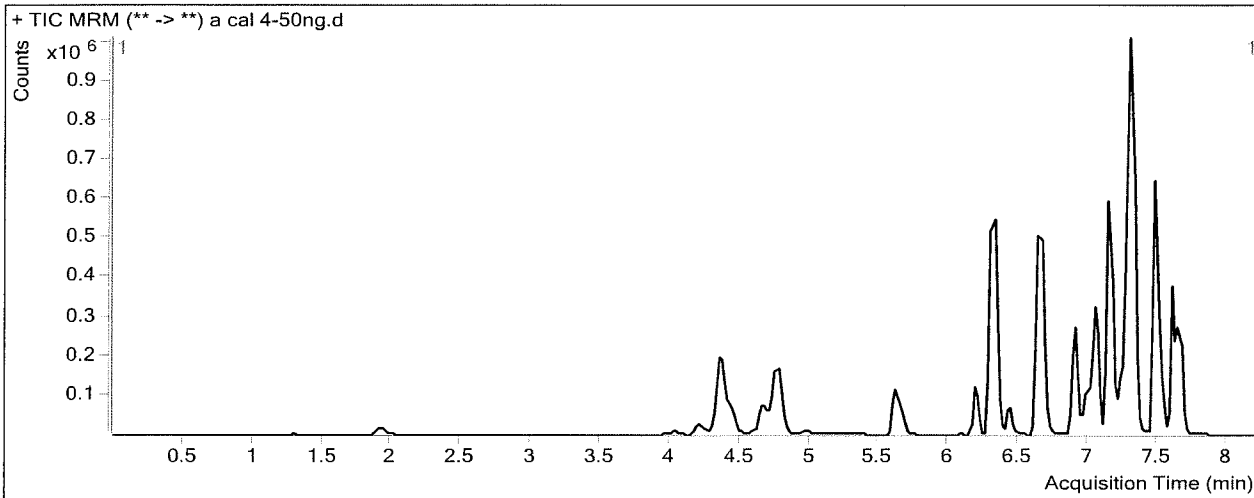
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 17:42 **Data File** a cal 4-50ng.d
Sample Type Calibration **Sample Name** a cal 4-50ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-D1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.308	10102	1584	6.3763	49.2009
Hydromorphone	Hydromorphone-D6	1.949	44345	32218	1.3764	47.4190
Codeine	Codeine-D6	4.056	22639	17695	1.2794	48.9083
Amphetamine	Amphetamine-D11	4.363	493608	118646	4.1604	50.5736
Oxycodone	Oxycodone-D6	4.429	140274	137010	1.0238	46.8530
Norhydrocodone	Norhydrocodone-D3	4.779	5364	32942	0.1628	43.9747 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	83360	93270	0.8938	52.2253
Methamphetamine	Methamphetamine-D11	4.782	404378	281166	1.4382	51.5171
6-MAM	6-MAM-D6	4.988	3084	20391	0.1512	5.2817
Phentermine	Phentermine-D5	5.666	120439	357066	0.3373	52.8482
Dextroprphan	Dextroprphan-D3	6.184	91436	128598	0.7110	50.0234
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	138325	107199	1.2904	53.4690
Tramadol	Tramadol-13C-D3	6.323	784431	734648	1.0678	53.2371
Metoprolol	Oxycodone-D6	6.437	105609	137010	0.7708	47.5049
Doxylamine	Doxylamine-D5	6.662	674103	708636	0.9513	49.3916
Bupropion	Bupropion-D9	6.910	379515	315490	1.2029	49.5853
Meprobamate	Meprobamate-D7	7.012	97952	129391	0.7570	49.3607
Zolpidem	Zolpidem-D6	7.061	441769	489922	0.9017	49.6339
Venlafaxine	Venlafaxine-D6	7.145	749010	656185	1.1415	50.0866
Trazodone	Trazodone-D6	7.256	413576	364592	1.1344	52.3387
Citalopram	Citalopram-D6	7.278	469483	407958	1.1508	52.2128
Dextromethorphan	Dextromethorphan-D3	7.309	106910	102769	1.0403	47.6286
Diphenhydramine	Diphenhydramine-D3	7.312	761027	714015	1.0658	47.9623

ISP

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	588811	693082	0.8496	44.6726
Clonazepam	Clonazepam-D4	7.523	119753	29030	4.1251	52.4029
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	33129	29613	1.1187	49.7723
Carisoprodol	Carisoprodol-D7	7.612	225171	265752	0.8473	49.9407
Alprazolam	Alprazolam-D5	7.667	200431	158010	1.2685	48.0628
Lorazepam	Clonazepam-D4	7.643	49094	29030	1.6911	54.6997



ISP FORENSICS - Cd'A Instrument # 62340

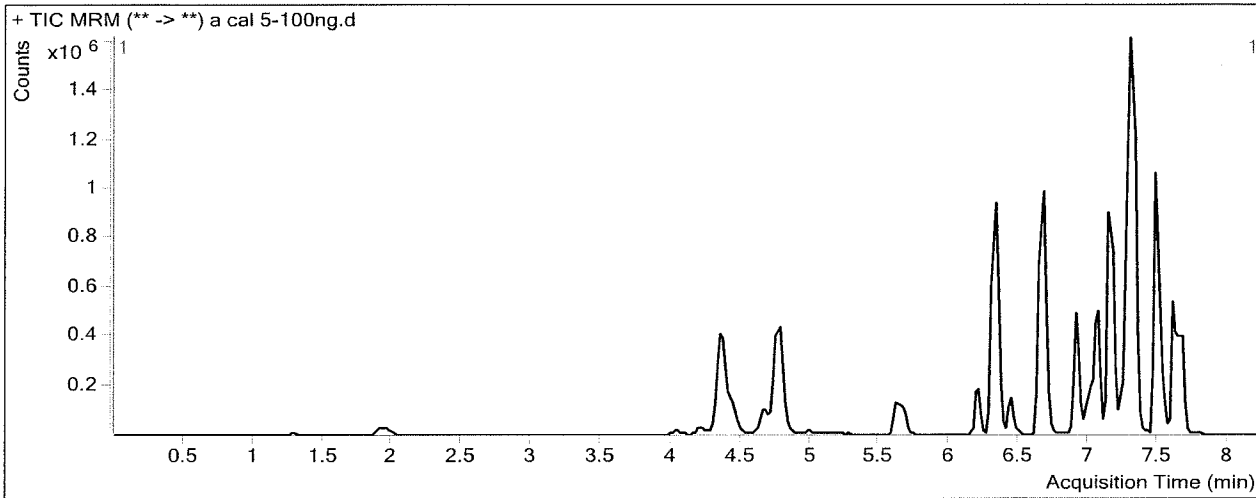
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 18:07 **Data File** a cal 5-100ng.d
Sample Type Calibration **Sample Name** a cal 5-100ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	19997	1521	13.1476	100.2768
Hydromorphone	Hydromorphone-D6	1.949	92506	30629	3.0202	103.6388
Codeine	Codeine-D6	4.056	45007	17129	2.6276	99.5401
Amphetamine	Amphetamine-D11	4.363	1125662	139335	8.0788	99.9467
Oxycodone	Oxycodone-D6	4.429	284608	118120	2.4095	109.9961
Norhydrocodone	Norhydrocodone-D3	4.779	11839	32416	0.3652	97.2145 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.754	168505	88803	1.8975	111.9571
Methamphetamine	Methamphetamine-D11	4.782	1157277	370426	3.1242	113.6154
6-MAM	6-MAM-D6	4.988	5831	20329	0.2868	9.8120
Phentermine	Phentermine-D5	5.666	278234	397309	0.7003	110.7599
Dextroprphan	Dextroprphan-D3	6.204	186418	125472	1.4857	103.9557
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	269040	100729	2.6709	111.1986
Tramadol	Tramadol-13C-D3	6.323	1592130	721529	2.2066	110.7278
Metoprolol	Oxycodone-D6	6.437	216105	118120	1.8295	113.0218
Doxylamine	Doxylamine-D5	6.662	1427711	705325	2.0242	105.1181
Bupropion	Bupropion-D9	6.910	822195	309600	2.6557	109.2834
Meprobamate	Meprobamate-D7	7.012	192834	115268	1.6729	108.9589
Zolpidem	Zolpidem-D6	7.061	890655	472735	1.8840	104.1594
Venlafaxine	Venlafaxine-D6	7.145	1581418	661759	2.3897	104.7413
Trazodone	Trazodone-D6	7.256	870453	366827	2.3729	109.5839
Citalopram	Citalopram-D6	7.278	896114	407779	2.1975	99.6793
Dextromethorphan	Dextromethorphan-D3	7.309	227127	98510	2.3056	104.8726
Diphenhydramine	Diphenhydramine-D3	7.332	1651029	718514	2.2978	102.8383

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	1361405	684705	1.9883	103.7042
Clonazepam	Clonazepam-D4	7.523	220020	26522	8.2959	105.6148
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	60861	26599	2.2881	101.0094
Carisoprodol	Carisoprodol-D7	7.612	436501	251755	1.7338	102.0702
Alprazolam	Alprazolam-D5	7.667	388932	144320	2.6949	101.2125
Lorazepam	Clonazepam-D4	7.643	76812	26522	2.8962	94.5027

ISP FORENSICS - Cd'A Instrument # 62340

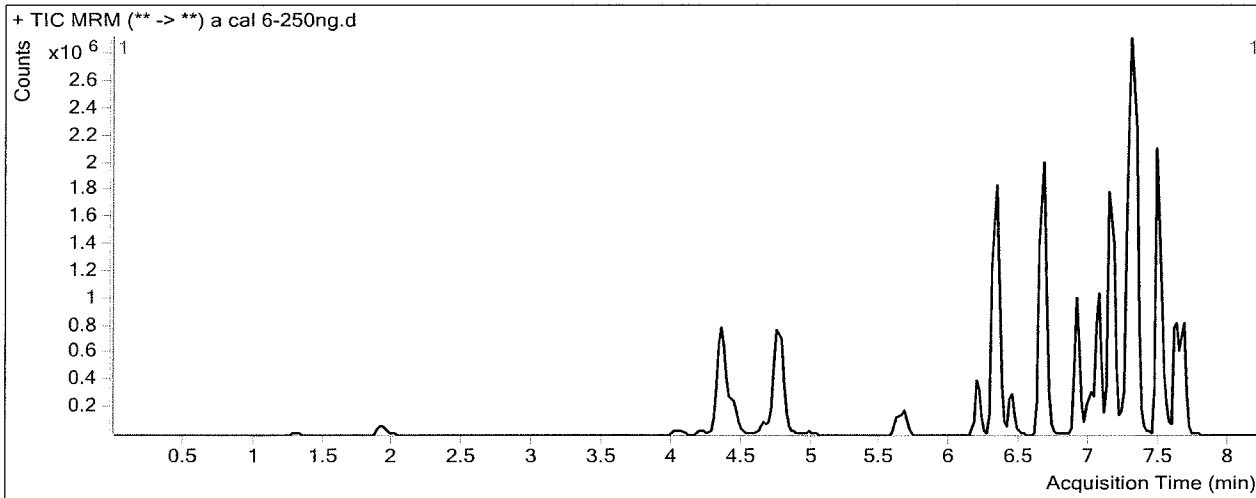
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 18:33 **Data File** a cal 6-250ng.d
Sample Type Calibration **Sample Name** a cal 6-250ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	42690	1266	33.7152	255.4190
Hydromorphone	Hydromorphone-D6	1.929	209701	28288	7.4130	253.8823
Codeine	Codeine-D6	4.036	104563	16543	6.3205	238.2346
Amphetamine	Amphetamine-D11	4.363	2273017	121907	18.6455	233.0867
Oxycodone	Oxycodone-D6	4.429	651888	107577	6.0597	276.3332
Norhydrocodone	Norhydrocodone-D3	4.779	28478	29960	0.9505	251.1834 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.734	381938	87232	4.3784	259.5920
Methamphetamine	Methamphetamine-D11	4.782	1955001	282299	6.9253	253.6204
6-MAM	6-MAM-D6	4.988	15217	20503	0.7422	25.0277
Phentermine	Phentermine-D5	5.666	565477	354831	1.5937	253.2850
Dextroprphan	Dextroprphan-D3	6.184	439758	122106	3.6015	251.2448
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	575460	93601	6.1480	256.5940
Tramadol	Tramadol-13C-D3	6.323	3717306	752912	4.9372	248.5747
Metoprolol	Oxycodone-D6	6.437	484199	107577	4.5009	278.3350
Doxylamine	Doxylamine-D5	6.662	3244472	665874	4.8725	253.0566
Bupropion	Bupropion-D9	6.910	1802023	300602	5.9947	246.4977
Meprobamate	Meprobamate-D7	7.012	380109	102153	3.7210	242.2274
Zolpidem	Zolpidem-D6	7.061	2086650	447264	4.6654	258.5399
Venlafaxine	Venlafaxine-D6	7.145	3632158	628385	5.7802	253.1906
Trazodone	Trazodone-D6	7.256	1882618	367905	5.1171	236.4177
Citalopram	Citalopram-D6	7.278	1920842	356213	5.3924	244.5564
Dextromethorphan	Dextromethorphan-D3	7.309	501342	92681	5.4093	245.2849
Diphenhydramine	Diphenhydramine-D3	7.332	3562117	646640	5.5087	245.8551

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	3034272	630676	4.8111	250.0363
Clonazepam	Clonazepam-D4	7.523	398271	18354	21.6994	276.6230
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	123544	23423	5.2745	231.8573
Carisoprodol	Carisoprodol-D7	7.635	854897	209724	4.0763	239.8104
Alprazolam	Alprazolam-D5	7.667	797679	127833	6.2400	233.2990
Lorazepam	Clonazepam-D4	7.643	125558	18354	6.8409	224.7979



ISP FORENSICS - Cd'A Instrument # 62340

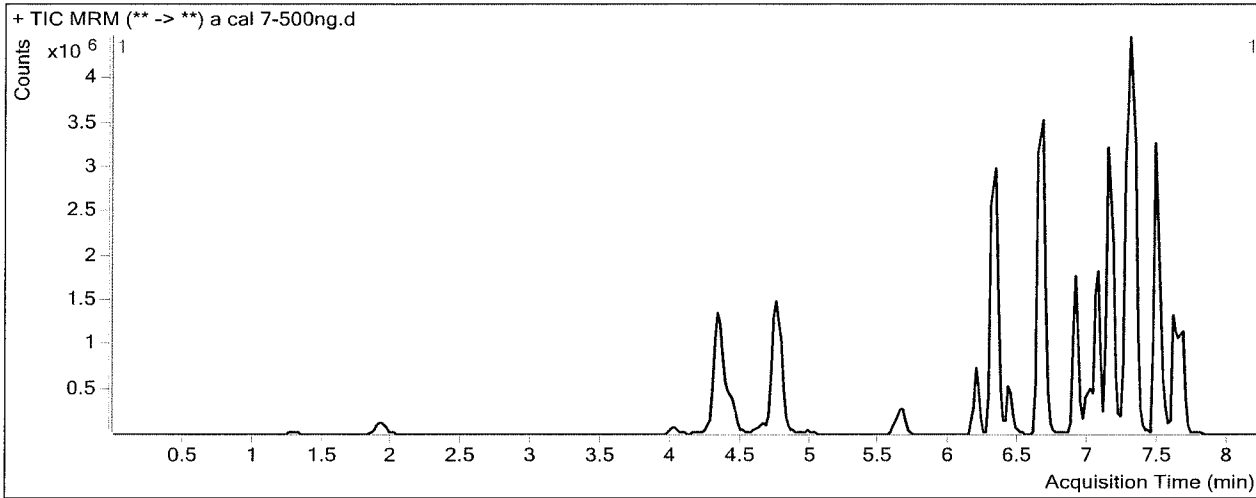
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 18:58 **Data File** a cal 7-500ng.d
Sample Type Calibration **Sample Name** a cal 7-500ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-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	1.308	91535	1481	61.8232	467.4398
Hydromorphone	Hydromorphone-D6	1.929	436470	28975	15.0634	515.5406
Codeine	Codeine-D6	4.036	201134	15556	12.9294	486.4435
Amphetamine	Amphetamine-D11	4.343	3916599	123818	31.6318	396.7153 <i>outside range</i>
Oxycodone	Oxycodone-D6	4.409	1165796	103405	11.2741	513.9468
Norhydrocodone	Norhydrocodone-D3	4.759	54261	24449	2.2194	584.9538 <i>not evaluated</i>
Hydrocodone	Hydrocodone-D6	4.734	695073	84148	8.2602	490.5875
Methamphetamine	Methamphetamine-D11	4.762	3929095	300860	13.0596	479.5615
6-MAM	6-MAM-D6	4.968	28717	20393	1.4082	47.2803
Phentermine	Phentermine-D5	5.666	985547	332563	2.9635	471.8280
Dextroprphan	Dextroprphan-D3	6.184	824977	114544	7.2023	501.9227
7-aminoclonazepam	7-Aminoclonazepam-D4	6.312	983211	86331	11.3889	475.7396
Tramadol	Tramadol-13C-D3	6.323	7054054	761150	9.2676	467.1798
Metoprolol	Oxycodone-D6	6.417	858342	103405	8.3008	513.4799
Doxylamine	Doxylamine-D5	6.662	6437194	690284	9.3254	484.3366
Bupropion	Bupropion-D9	6.910	3508659	284709	12.3237	506.5787
Meprobamate	Meprobamate-D7	7.012	671840	91009	7.3821	480.4597
Zolpidem	Zolpidem-D6	7.061	4016949	441819	9.0918	504.2362
Venlafaxine	Venlafaxine-D6	7.145	6852302	599209	11.4356	500.8121
Trazodone	Trazodone-D6	7.256	3359090	353397	9.5051	439.2256
Citalopram	Citalopram-D6	7.278	3169424	284796	11.1288	504.6835
Dextromethorphan	Dextromethorphan-D3	7.309	823670	72165	11.4137	516.9263
Diphenhydramine	Diphenhydramine-D3	7.332	6002883	547863	10.9569	488.5328

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	5509365	535714	10.2842	533.7499
Clonazepam	Clonazepam-D4	7.523	542539	14997	36.1775	461.3408
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.601	190810	16747	11.3934	499.9557
Carisoprodol	Carisoprodol-D7	7.612	1373676	159953	8.5880	505.1045
Alprazolam	Alprazolam-D5	7.667	1332334	102742	12.9678	483.9730
Lorazepam	Clonazepam-D4	7.643	175111	14997	11.6767	384.5245 <i>outside range</i>

BJ

ISP FORENSICS - Cd'A Instrument # 62340

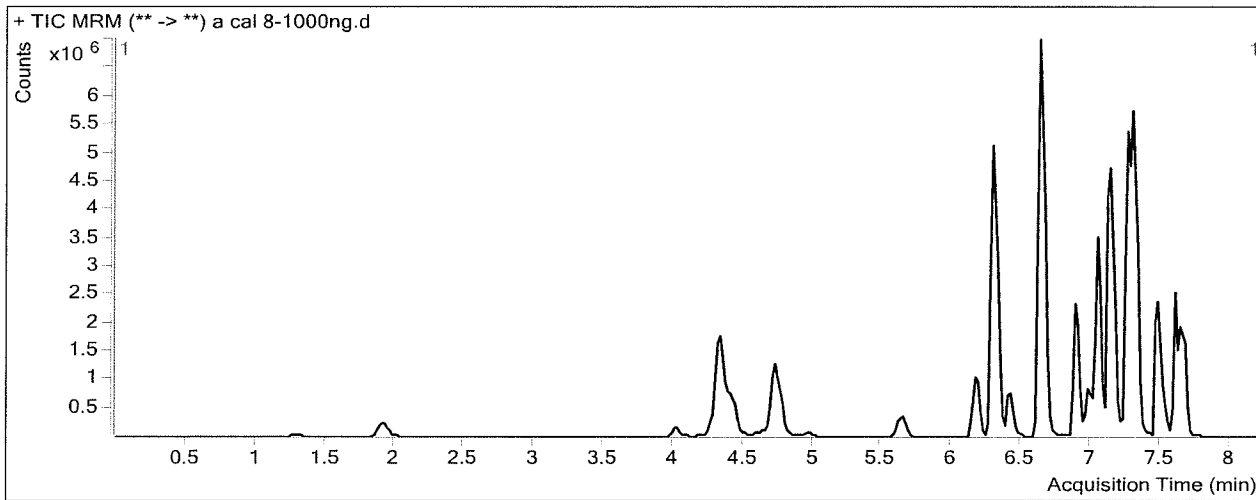
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1a.batch.bin
Analysis Time 8/29/2018 9:58 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 10:03 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 9:58 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 19:24 **Data File** a cal 8-1000ng.d
Sample Type Calibration **Sample Name** a cal 8-1000ng
Dilution 1 **Acq Method** a1 mdq 618.m
Position P2-H1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Morphine	Morphine-D6	1.288	165763	1218	136.1003	1027.7161
Hydromorphone	Hydromorphone-D6	1.909	796263	26515	30.0303	1027.4365
Codeine	Codeine-D6	4.036	362613	13267	27.3313	1027.3302
Amphetamine	Amphetamine-D11	4.343	4984599	88652	56.2263	706.6061 <i>outside range</i>
Oxycodone	Oxycodone-D6	4.409	2080566	101965	20.4046	930.0177
Norhydrocodone	Norhydrocodone-D3	4.759	108475	21065	5.1496	1355.7731 <i>NE</i>
Hydrocodone	Hydrocodone-D6	4.714	1304756	78736	16.5713	985.1688
Methamphetamine	Methamphetamine-D11	4.741	2674381	112135	23.8496	876.9861
6-MAM	6-MAM-D6	4.968	59368	19593	3.0301	101.4736
Phentermine	Phentermine-D5	5.646	1258959	227966	5.5226	880.1006
Dextroprphan	Dextroprphan-D3	6.164	1347502	94480	14.2623	993.4123
7-aminoclonazepam	7-Aminoclonazepam-D4	6.292	1427983	72664	19.6519	821.2606
Tramadol	Tramadol-13C-D3	6.303	12013744	726351	16.5399	834.2939
Metoprolol	Oxycodone-D6	6.417	1356438	101965	13.3029	823.0268
Doxylamine	Doxylamine-D5	6.640	12044329	648867	18.5621	964.0797
Bupropion	Bupropion-D9	6.890	4771324	202892	23.5165	966.5354
Meprobamate	Meprobamate-D7	6.992	1197980	84883	14.1133	918.4587
Zolpidem	Zolpidem-D6	7.041	7543969	425776	17.7182	983.0519
Venlafaxine	Venlafaxine-D6	7.145	11814955	521700	22.6470	991.7031
Trazodone	Trazodone-D6	7.256	5620258	345578	16.2634	751.5820 <i>outside range</i>
Citalopram	Citalopram-D6	7.257	4057037	187137	21.6795	983.1267
Dextromethorphan	Dextromethorphan-D3	7.288	1064391	48887	21.7723	985.5507
Diphenhydramine	Diphenhydramine-D3	7.312	8604626	377943	22.7670	1014.5798

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Promethazine	Promethazine-D3	7.487	4965086	265666	18.6892	969.4574
Clonazepam	Clonazepam-D4	7.523	747945	11469	65.2122	831.7774
a-hydroxyalprazolam	a-hydroxyalprazolam-D5	7.581	323063	13937	23.1801	1016.3842
Carisoprodol	Carisoprodol-D7	7.612	2275649	128975	17.6441	1037.6128
Alprazolam	Alprazolam-D5	7.667	2243071	80976	27.7003	1032.8982
Lorazepam	Clonazepam-D4	7.643	318389	11469	27.7599	915.7544 <i>outside range</i>



ISP FORENSICS - Cd'A Instrument # 62340

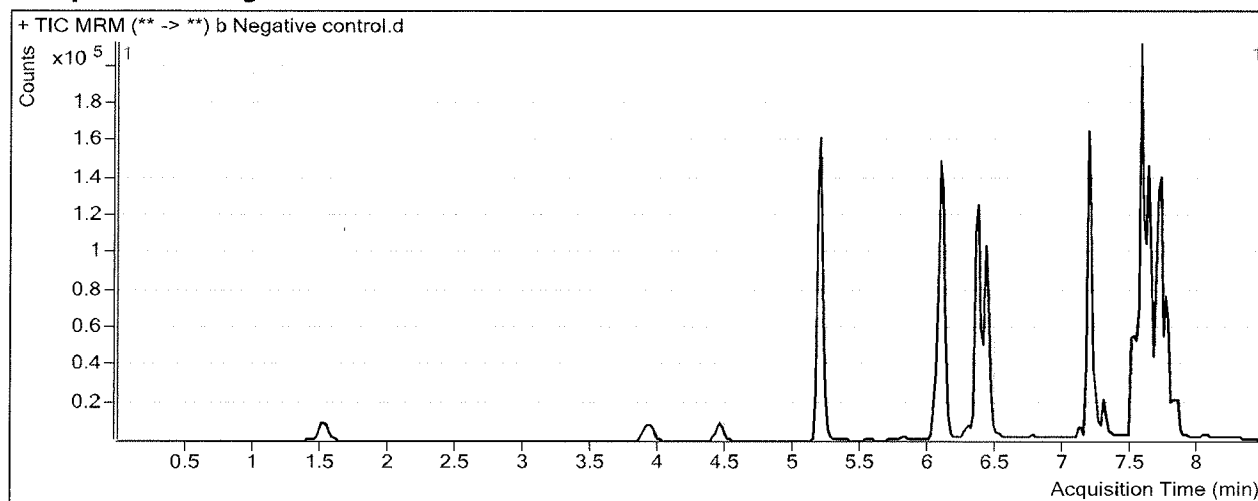
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin
Analysis Time 8/29/2018 8:55 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 8:58 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 20:14 **Data File** b Negative control.d
Sample Type Sample **Sample Name** b Negative control
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-E2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1, negative

Sample Chromatogram



ISP FORENSICS - Cd'A Instrument # 62340

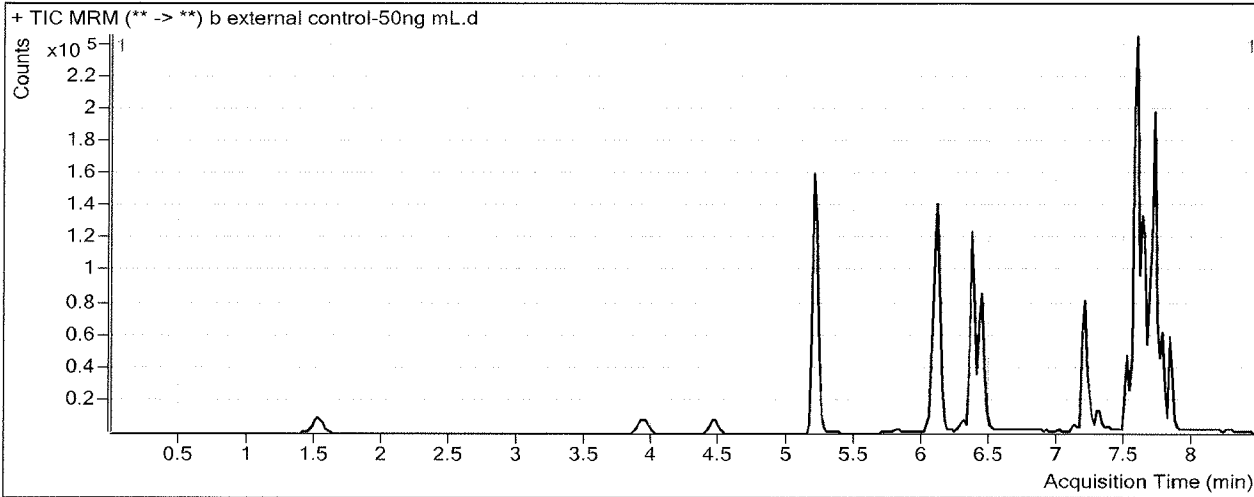
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin
Analysis Time 8/29/2018 8:55 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 8:58 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 20:40 **Data File** b external control-50ng mL.d
Sample Type Sample **Sample Name** b external control-50ng mL
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-F2 **Sample Info**
Inj Vol -1 **Comment** AM 28: external control p1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Methadone	Methadone-D9	7.581	189952	234726	0.8093	43.4615
Sertraline	Sertraline-D3	7.683	41274	49061	0.8413	39.4320

ISP FORENSICS - Cd'A Instrument # 62340

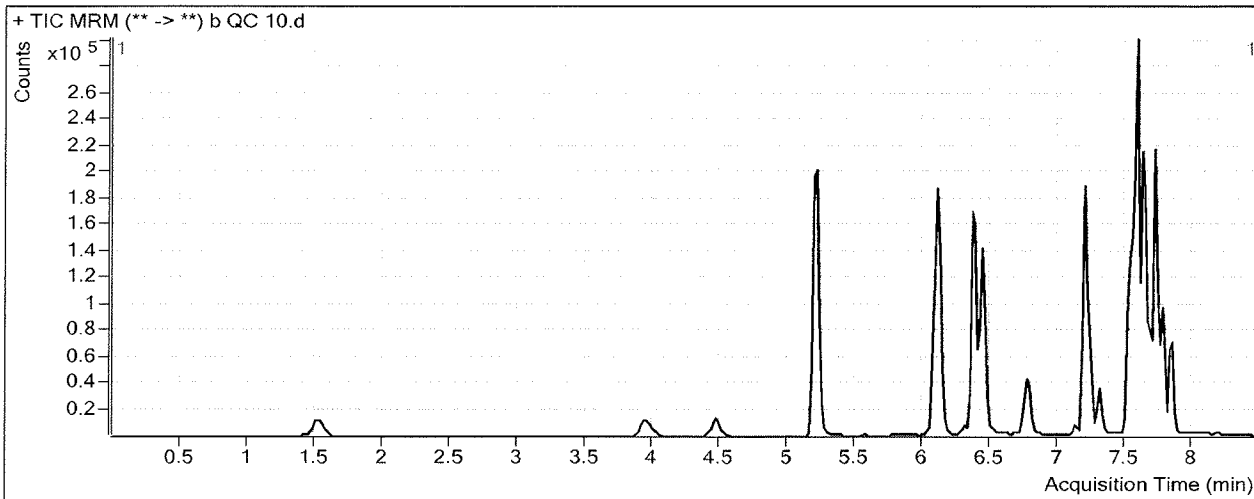
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin
Analysis Time 8/29/2018 8:55 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 8:58 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 21:05 **Data File** b QC 10.d
Sample Type QC **Sample Name** b QC 10
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-A2 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	13959	61043	0.2287	9.6672
Dihydrocodeine	Dihydrocodeine-D6	3.990	11830	57974	0.2041	9.9477
Noroxycodone	Noroxycodone-D3	4.498	11944	44530	0.2682	10.6929
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	126591	569319	0.2224	10.4762
Benzoylcegonine	Benzoylcegonine-d8	5.848	614	4176	0.1469	10.0052
Ketamine	Ketamine-D4	6.081	46753	185195	0.2525	10.1171
Norfentanyl	Norfentanyl-D5	6.124	8735	414980	0.0210	1.1901 <i>outside range</i>
Cocaine	Cocaine-d3	6.349	77296	430486	0.1796	9.8210
alpha-PVP	alpha-PVP-d8	6.445	69491	303972	0.2286	9.8568
Mirtazapine	alpha-PVP-d8	6.760	71997	303972	0.2369	10.5902
Norbuprenorphine	Norbuprenorphine-D3	7.113	403	18561	0.0217	0.8364
Fentanyl	Fentanyl-D5	7.217	10005	471772	0.0212	1.0369
Mitragynine	EDDP-D3	7.294	21311	38590	0.5523	8.2420
EDDP	EDDP-D3	7.306	7574	38590	0.1963	9.7496
Quetiapine	Quetiapine-D8	7.517	121163	160245	0.7561	10.3631
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	36318	164226	0.2211	14.4863
Methadone	Methadone-D9	7.581	81272	404022	0.2012	10.2371
Fluoxetine	Fluoxetine-D6	7.622	71822	329731	0.2178	11.0411
Sertraline	Sertraline-D3	7.683	12480	53602	0.2328	11.4224
Temazepam	Temazepam-D5	7.705	69743	315169	0.2213	10.7748
Oxazepam	Oxazepam-D5	7.667	30455	141290	0.2155	10.2509
Nordiazepam	Nordiazepam-D5	7.793	25037	67381	0.3716	10.4016
Buprenorphine	Buprenorphine-D4	7.815	3292	144269	0.0228	0.8338 <i>outside range</i>

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.848	29205	120693	0.2420	9.7112



ISP FORENSICS - Cd'A Instrument # 62340

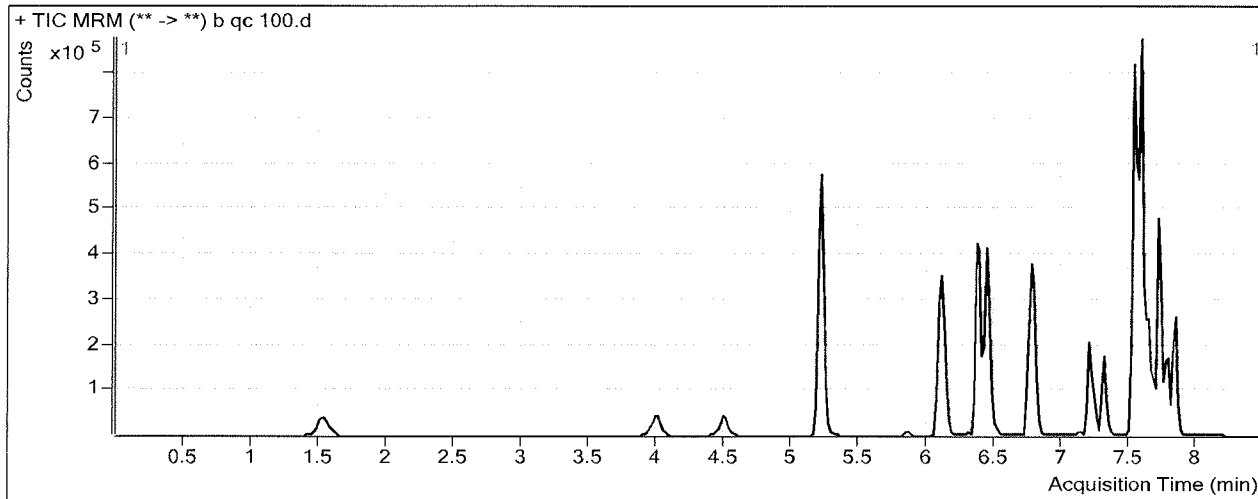
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-29 01:19	Data File	b qc 100.d
Sample Type	QC	Sample Name	b qc 100
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-B2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	139701	59111	2.3634	96.8823
Dihydrocodeine	Dihydrocodeine-D6	4.010	121900	57867	2.1066	117.1913
Noroxycodone	Noroxycodone-D3	4.518	113293	40454	2.8005	93.3931
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	1244645	554998	2.2426	105.4949
Benzoylcegonine	Benzoylcegonine-d8	5.848	9039	4487	2.0143	144.3569
Ketamine	Ketamine-D4	6.081	461034	178505	2.5827	105.1845
Norfentanyl	Norfentanyl-D5	6.144	93124	415367	0.2242	9.7528
Cocaine	Cocaine-d3	6.349	725756	403412	1.7990	98.4353
alpha-PVP	alpha-PVP-d8	6.445	649543	279868	2.3209	99.3648
Mirtazapine	alpha-PVP-d8	6.760	672461	279868	2.4028	107.2456
Norbuprenorphine	Norbuprenorphine-D3	7.133	3438	16594	0.2072	9.2210
Fentanyl	Fentanyl-D5	7.217	86471	408833	0.2115	9.6538
Mitragynine	EDDP-D3	7.294	189988	38866	4.8882	80.0676
EDDP	EDDP-D3	7.306	81869	38866	2.1064	86.5071
Quetiapine	Quetiapine-D8	7.517	1137884	147545	7.7121	107.4952
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	238507	103069	2.3140	104.3820
Methadone	Methadone-D9	7.581	690191	401923	1.7172	93.0698
Fluoxetine	Fluoxetine-D6	7.622	276117	126500	2.1827	106.2156
Sertraline	Sertraline-D3	7.683	30516	13179	2.3154	107.2960
Temazepam	Temazepam-D5	7.705	598649	269978	2.2174	94.3170
Oxazepam	Oxazepam-D5	7.667	181513	82423	2.2022	100.9366
Nordiazepam	Nordiazepam-D5	7.793	210177	54902	3.8282	104.1812
Buprenorphine	Buprenorphine-D4	7.815	28155	119211	0.2362	10.6862

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.848	286926	108421	2.6464	104.0480



ISP FORENSICS - Cd'A Instrument # 62340

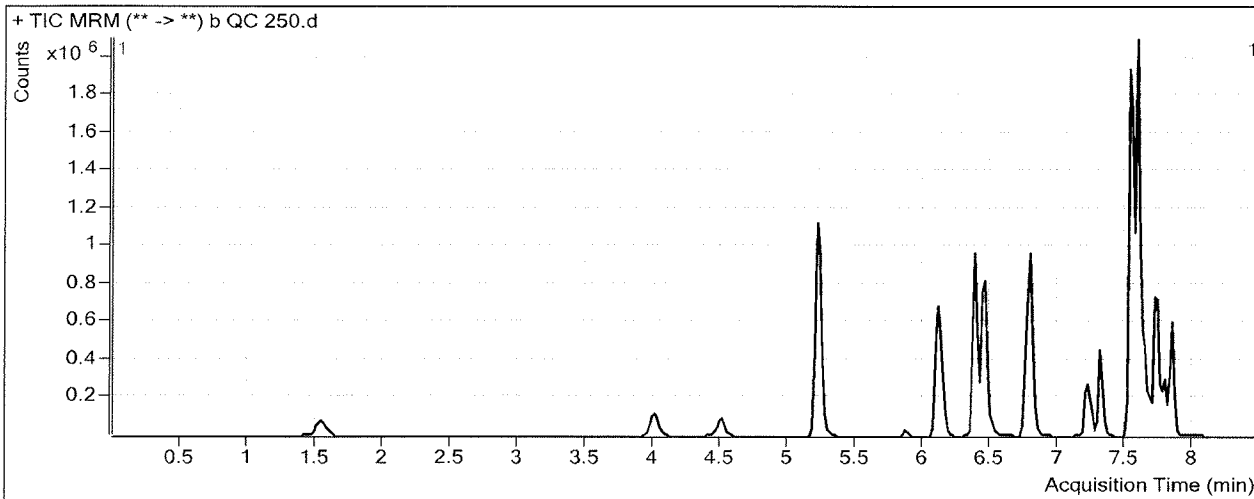
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-29 04:41	Data File	b QC 250.d
Sample Type	QC	Sample Name	b QC 250
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-C2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	342436	56920	6.0161	246.1162
Dihydrocodeine	Dihydrocodeine-D6	4.010	315301	60701	5.1943	291.2453
Noroxycodone	Noroxycodone-D3	4.518	262220	36266	7.2304	238.0612
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	3064454	560017	5.4721	257.3860
Benzoylcegonine	Benzoylcegonine-d8	5.848	37883	4754	7.9688	572.7504
Ketamine	Ketamine-D4	6.101	1179387	186275	6.3314	258.1176
Norfentanyl	Norfentanyl-D5	6.144	249122	425404	0.5856	24.9864
Cocaine	Cocaine-d3	6.369	1782301	400665	4.4484	243.3992
alpha-PVP	alpha-PVP-d8	6.465	1684942	292656	5.7574	246.3790
Mirtazapine	alpha-PVP-d8	6.779	1730181	292656	5.9120	263.8455
Norbuprenorphine	Norbuprenorphine-D3	7.133	9308	16667	0.5585	25.1046
Fentanyl	Fentanyl-D5	7.217	237696	434815	0.5467	24.8298
Mitragynine	EDDP-D3	7.294	491980	42889	11.4710	189.1112
EDDP	EDDP-D3	7.306	258958	42889	6.0379	244.4892
Quetiapine	Quetiapine-D8	7.517	2959610	160004	18.4970	258.0943
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	625912	107364	5.8298	255.3930
Methadone	Methadone-D9	7.581	1887529	374280	5.0431	274.7838
Fluoxetine	Fluoxetine-D6	7.622	737030	137099	5.3759	260.8807
Sertraline	Sertraline-D3	7.683	79627	13662	5.8284	269.0152
Temazepam	Temazepam-D5	7.726	1326339	235531	5.6313	237.1954
Oxazepam	Oxazepam-D5	7.667	271137	49404	5.4882	250.9326
Nordiazepam	Nordiazepam-D5	7.793	407898	46933	8.6911	236.1124
Buprenorphine	Buprenorphine-D4	7.815	73862	129514	0.5703	26.1146

AW

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.848	702025	110779	6.3372	248.8545



ISP FORENSICS - Cd'A Instrument # 62340

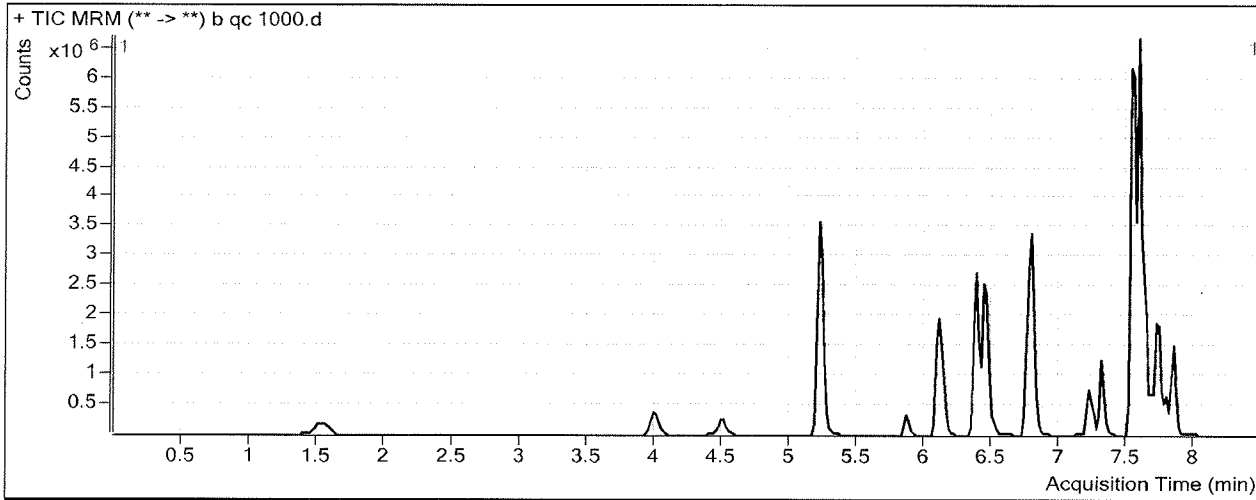
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-29 05:07	Data File	b qc 1000.d
Sample Type	QC	Sample Name	b qc 1000
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-D2	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	1105227	49926	22.1372	904.7614
Dihydrocodeine	Dihydrocodeine-D6	3.990	1115311	64242	17.3611	977.0803
Noroxycodone	Noroxycodone-D3	4.518	826316	28718	28.7738	941.6212
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	11335073	542851	20.8806	982.0965
Benzylecgonine	Benzylecgonine-d8	5.848	368739	4894	75.3513	5420.6051 <i>outside range</i>
Ketamine	Ketamine-D4	6.101	4293993	187334	22.9216	934.9372
Norfentanyl	Norfentanyl-D5	6.144	960108	382677	2.5089	106.0540
Cocaine	Cocaine-d3	6.369	5906061	343821	17.1777	939.9189
alpha-PVP	alpha-PVP-d8	6.445	5882364	268482	21.9097	937.3769
Mirtazapine	alpha-PVP-d8	6.779	6583048	268482	24.5196	1094.2165
Norbuprenorphine	Norbuprenorphine-D3	7.133	31364	15183	2.0658	93.2533
Fentanyl	Fentanyl-D5	7.217	965868	444069	2.1750	98.5642
Mitragynine	EDDP-D3	7.294	1277623	35855	35.6333	589.3603 <i>outside range</i>
EDDP	EDDP-D3	7.306	947527	35855	26.4268	1063.8023
Quetiapine	Quetiapine-D8	7.517	10224216	153169	66.7513	931.9077
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	2312455	104375	22.1552	956.6134
Methadone	Methadone-D9	7.581	6661497	348799	19.0984	1042.7189
Fluoxetine	Fluoxetine-D6	7.622	4357582	213090	20.4495	990.9998
Sertraline	Sertraline-D3	7.683	734867	32639	22.5153	1037.1968
Temazepam	Temazepam-D5	7.726	3359628	144463	23.2560	974.8353
Oxazepam	Oxazepam-D5	7.667	418461	22296	18.7683	857.1398
Nordiazepam	Nordiazepam-D5	7.793	924182	27106	34.0947	925.3163
Buprenorphine	Buprenorphine-D4	7.815	220281	113556	1.9398	89.3555

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.848	2136056	88103	24.2450	951.4625

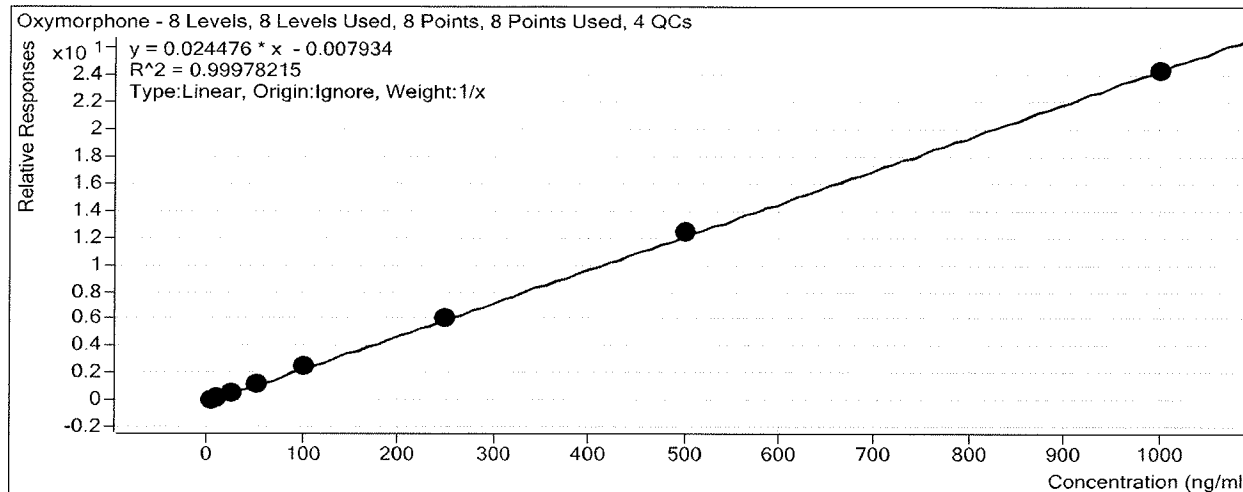
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound Oxymorphone
Internal Standard Oxymorphone-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	96.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.6	98.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.6	97.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	104.3	104.3
b qc 100	5	<input checked="" type="checkbox"/>	100	96.9	96.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.7	100.3
b QC 250	6	<input checked="" type="checkbox"/>	250	246.1	98.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.7	101.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	991.2	99.1
b qc 1000	8	<input checked="" type="checkbox"/>	1000	904.8	90.5

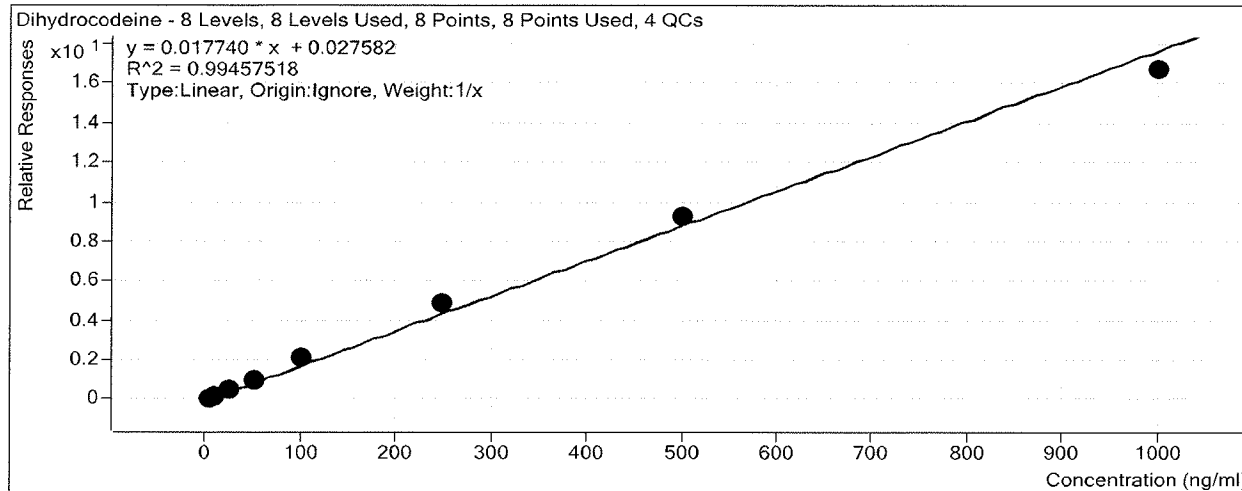
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound Dihydrocodeine
Internal Standard Dihydrocodeine-D6



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	3.8	75.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	91.7
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	99.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.5	102.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	54.2	108.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	116.2	116.2
b qc 100	5	<input checked="" type="checkbox"/>	100	117.2	117.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	270.8	108.3
b QC 250	6	<input checked="" type="checkbox"/>	250	291.2	116.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	521.0	104.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	939.4	93.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	977.1	97.7

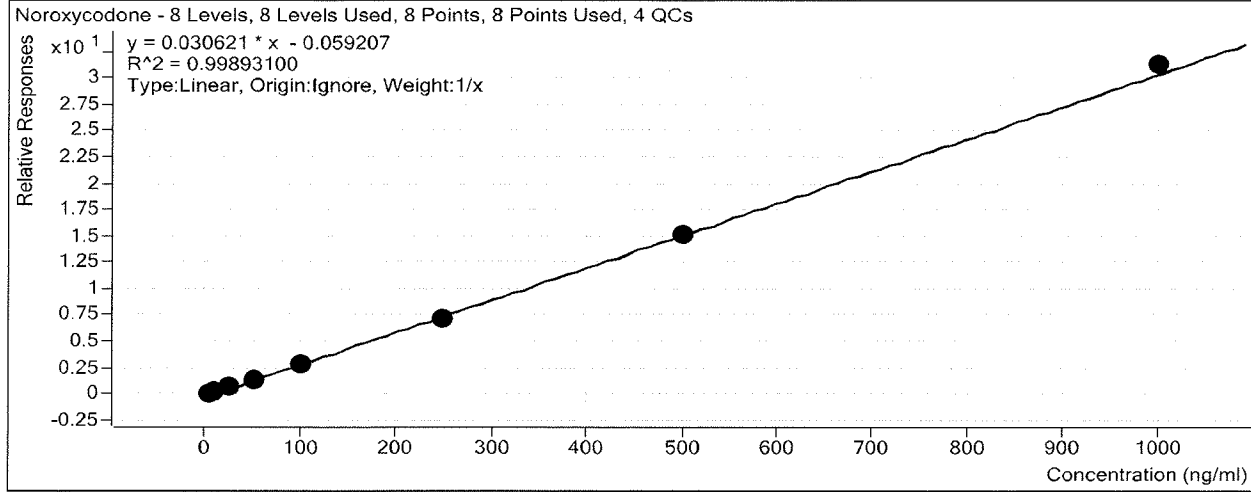
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	6.1	121.9
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	99.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.7	106.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.4	93.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.5	90.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
b qc 100	5	<input checked="" type="checkbox"/>	100	93.4	93.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	239.3	95.7
b QC 250	6	<input checked="" type="checkbox"/>	250	238.1	95.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.9	99.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.6	102.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	941.6	94.2

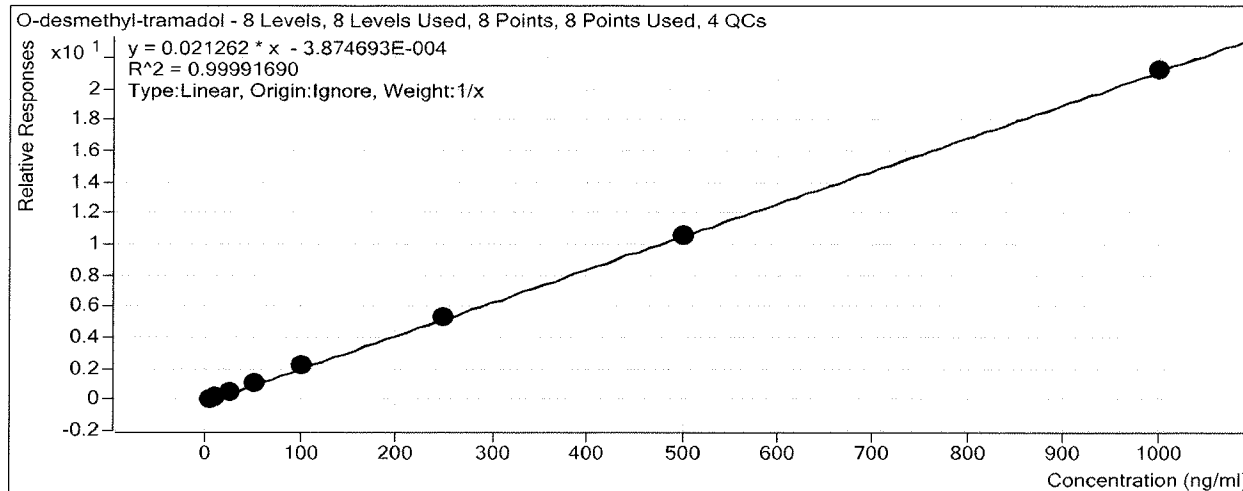
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



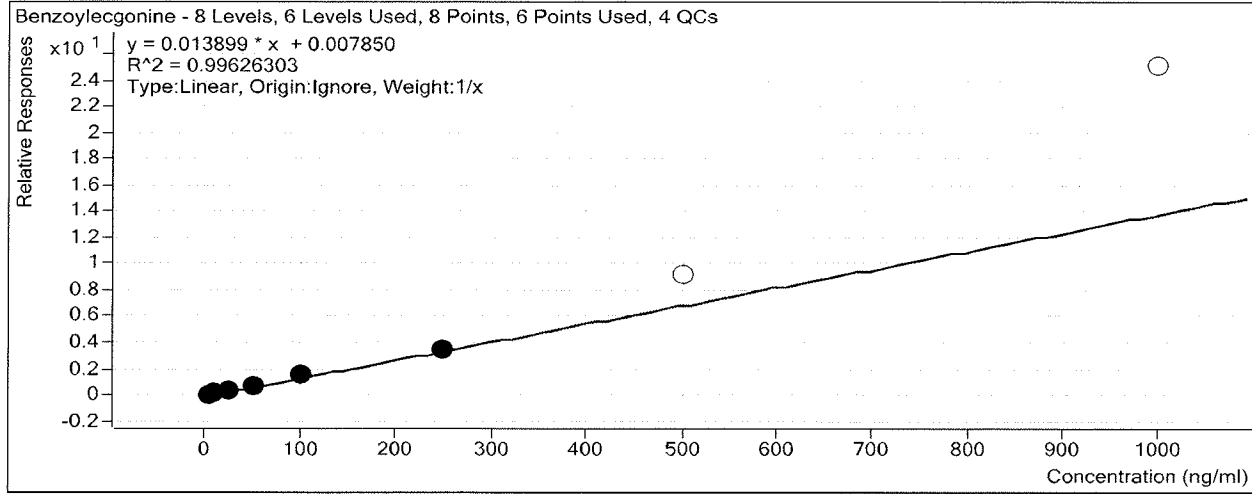
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	96.2
b QC 10	2	<input checked="" type="checkbox"/>	10	10.5	104.8
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.0	100.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.3	103.3
b qc 100	5	<input checked="" type="checkbox"/>	100	105.5	105.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.2	100.5
b QC 250	6	<input checked="" type="checkbox"/>	250	257.4	103.0
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	498.4	99.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	997.8	99.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	982.1	98.2

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM **Analyst Name** ISP TOX

Target Compound *Benzoylecgonine*
Internal Standard *Benzoylecgonine-d8*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.5	109.2
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.4	104.1
b QC 10	2	<input checked="" type="checkbox"/>	10	10.0	100.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	22.0	87.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.0	92.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b qc 100	5	<input checked="" type="checkbox"/>	100	144.4	144.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	248.8	99.5
b QC 250	6	<input checked="" type="checkbox"/>	250	572.8	229.1
b cal 7-500ng	7	<input type="checkbox"/>	500	656.5	131.3
b cal 8-1000ng	8	<input type="checkbox"/>	1000	1804.6	180.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	5420.6	542.1

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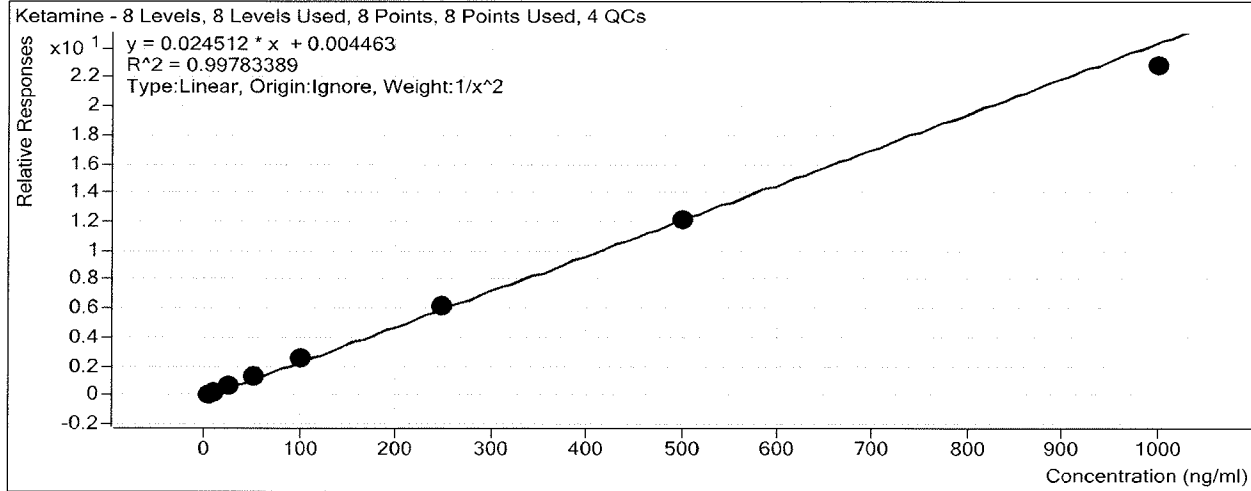
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound Ketamine
Internal Standard Ketamine-D4



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	101.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.1	101.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.8	101.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.2	106.2
b qc 100	5	<input checked="" type="checkbox"/>	100	105.2	105.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	253.6	101.4
b QC 250	6	<input checked="" type="checkbox"/>	250	258.1	103.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	495.6	99.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	929.2	92.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	934.9	93.5

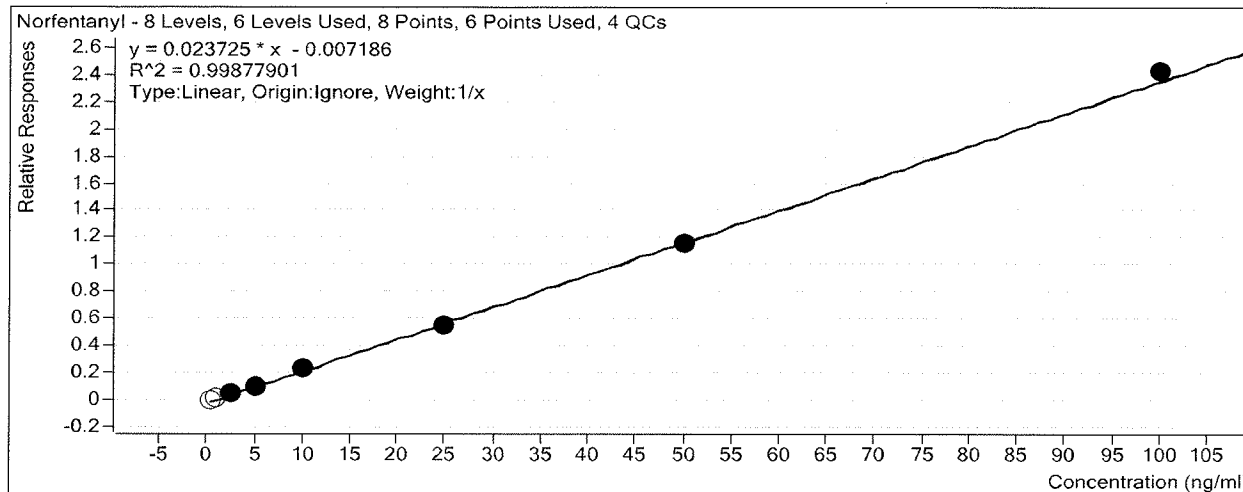
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.7	141.2
b cal 2-10ng	2	<input type="checkbox"/>	1	1.1	114.1
b QC 10	2	<input checked="" type="checkbox"/>	1	1.2	119.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.7	109.2
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.8	95.9
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.0	99.9
b qc 100	5	<input checked="" type="checkbox"/>	10	9.8	97.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	23.7	94.8
b QC 250	6	<input checked="" type="checkbox"/>	25	25.0	99.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.9	97.8
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	102.4	102.4
b qc 1000	8	<input checked="" type="checkbox"/>	100	106.1	106.1

top of peak's cut off / ratios out.

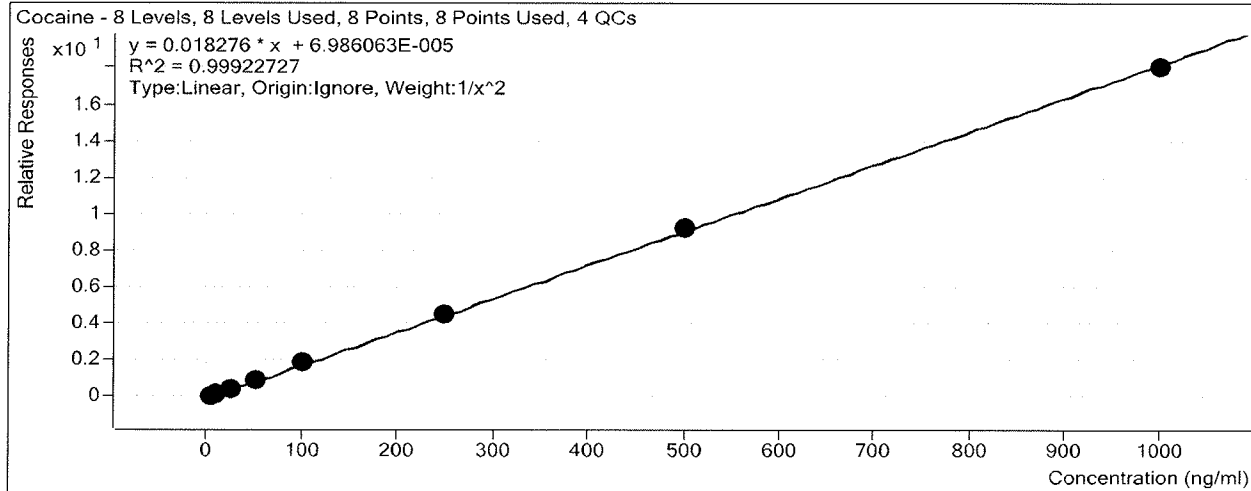
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

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Analyst Name ISP TOX

Target Compound Cocaine
Internal Standard Cocaine-d3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.6	95.9
b QC 10	2	<input checked="" type="checkbox"/>	10	9.8	98.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.7	98.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.5
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.9	103.9
b qc 100	5	<input checked="" type="checkbox"/>	100	98.4	98.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.1	99.7
b QC 250	6	<input checked="" type="checkbox"/>	250	243.4	97.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	503.0	100.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.2	98.5
b qc 1000	8	<input checked="" type="checkbox"/>	1000	939.9	94.0

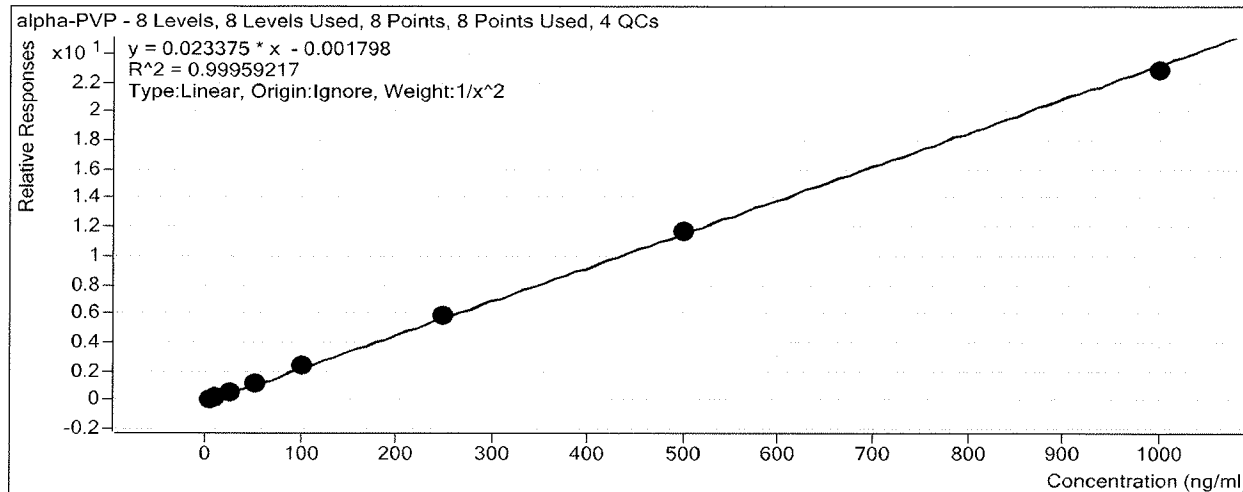
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



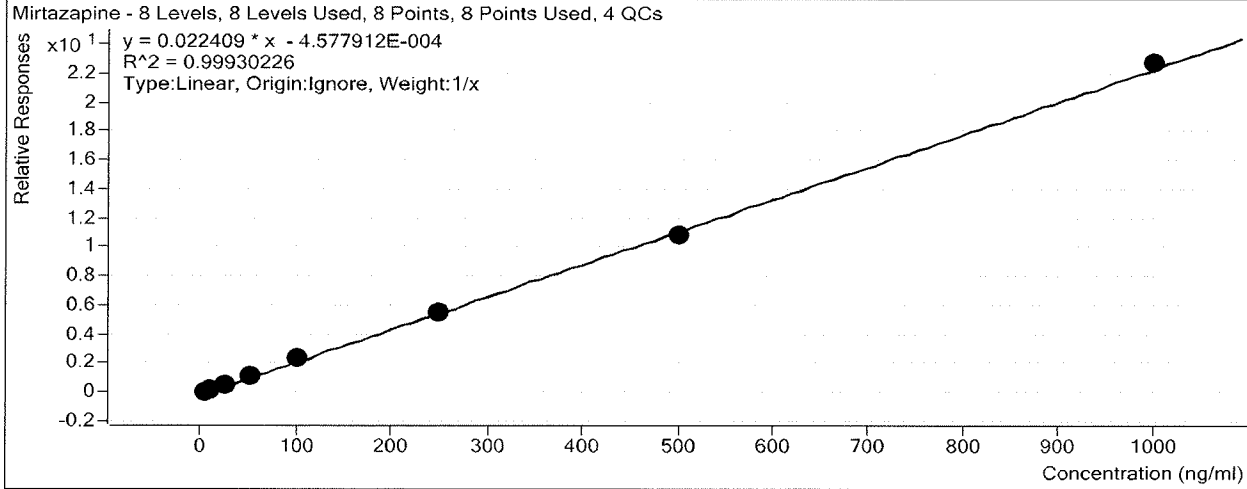
Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	100.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.8	97.8
b QC 10	2	<input checked="" type="checkbox"/>	10	9.9	98.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.1	100.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	50.2	100.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	103.1	103.1
b qc 100	5	<input checked="" type="checkbox"/>	100	99.4	99.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	250.9	100.4
b QC 250	6	<input checked="" type="checkbox"/>	250	246.4	98.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	497.6	99.5
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	976.2	97.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	937.4	93.7

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.8
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.9	98.7
b QC 10	2	<input checked="" type="checkbox"/>	10	10.6	105.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.6	102.3
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.0	98.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.7	106.7
b qc 100	5	<input checked="" type="checkbox"/>	100	107.2	107.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.0	99.6
b QC 250	6	<input checked="" type="checkbox"/>	250	263.8	105.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	482.8	96.6
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1012.1	101.2
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1094.2	109.4

ISP Forensics Calibration Curve Report

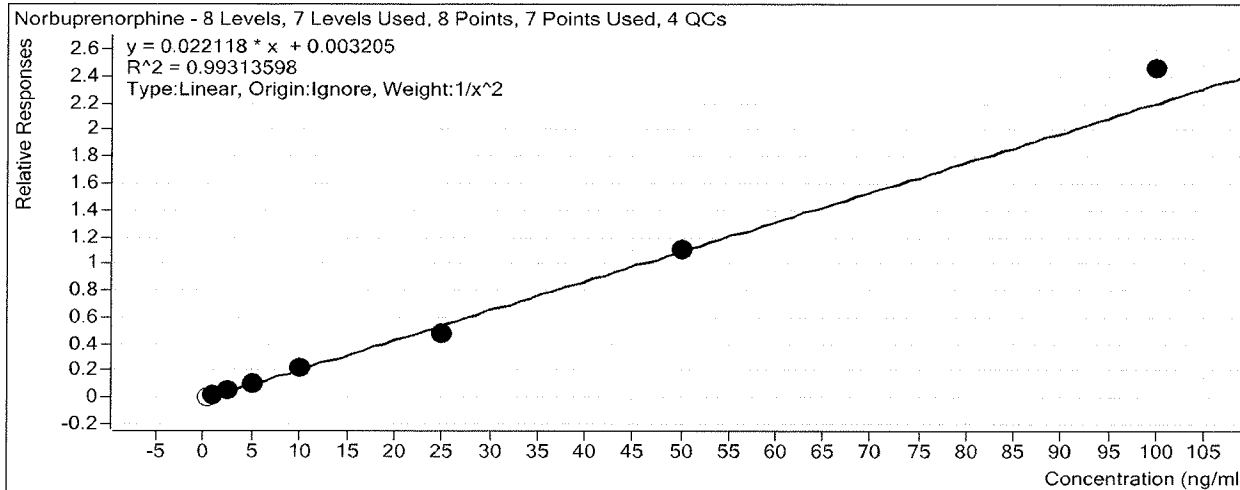
Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

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Analyst Name ISP TOX

Target Compound *Norbuprenorphine*

Internal Standard *Norbuprenorphine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.4	70.8 ✓
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	1.0	99.9
b QC 10	2	<input checked="" type="checkbox"/>	1	0.8	83.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	101.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	4.9	98.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.2	102.3
b qc 100	5	<input checked="" type="checkbox"/>	10	9.2	92.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	21.7	86.7
b QC 250	6	<input checked="" type="checkbox"/>	25	25.1	100.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	50.0	100.1
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	110.9	110.9
b qc 1000	8	<input checked="" type="checkbox"/>	100	93.3	93.3

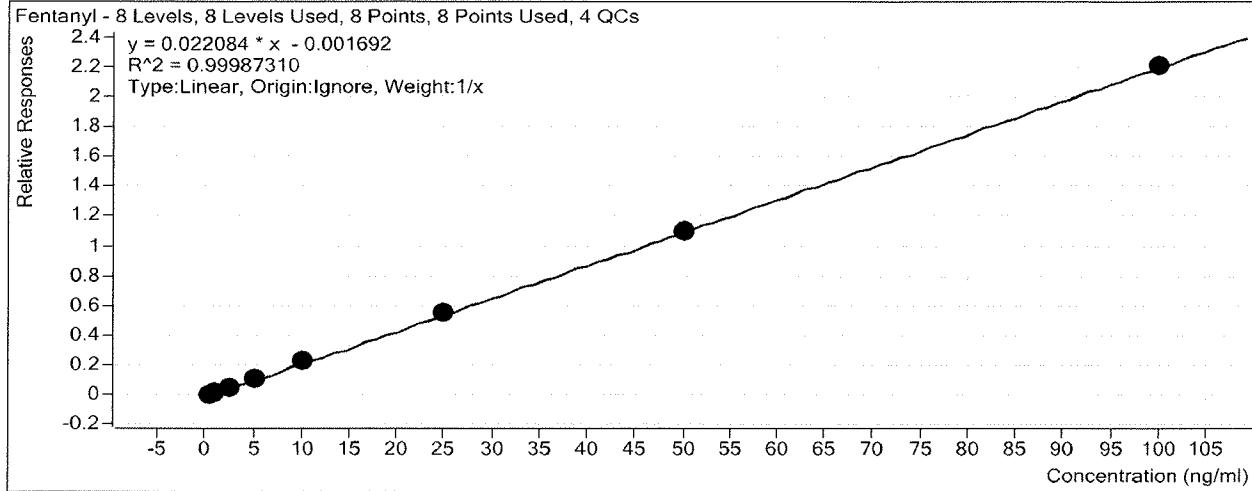
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	0.5	0.5	103.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	1	0.9	91.6
b QC 10	2	<input checked="" type="checkbox"/>	1	1.0	103.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	100.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.1	102.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.3	103.0
b qc 100	5	<input checked="" type="checkbox"/>	10	9.7	96.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	24.8	99.2
b QC 250	6	<input checked="" type="checkbox"/>	25	24.8	99.3
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	49.9	99.7
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	100.0	100.0
b qc 1000	8	<input checked="" type="checkbox"/>	100	98.6	98.6

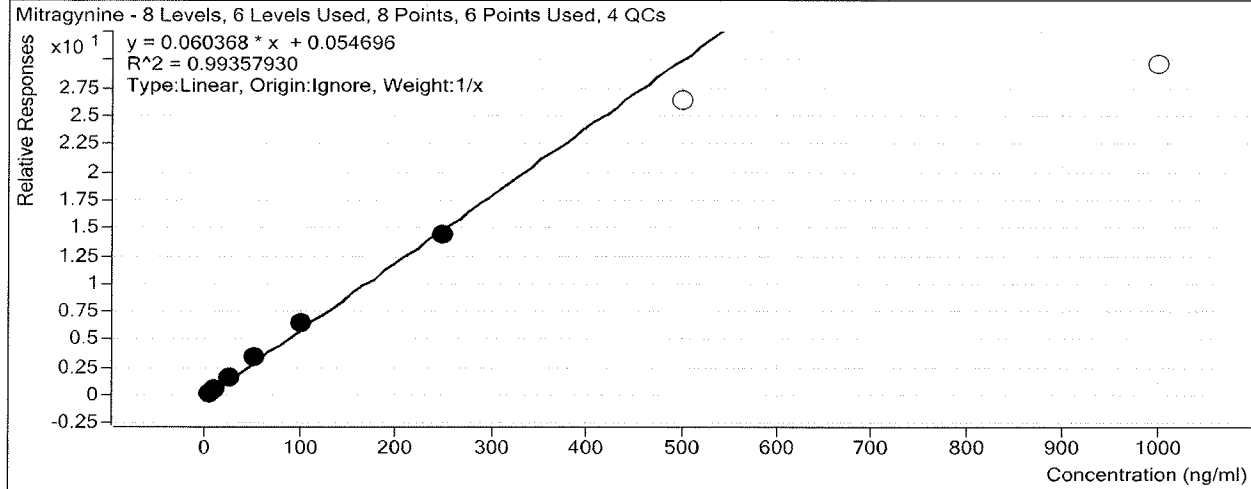
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound *Mitragynine*
Internal Standard *EDDP-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.1	82.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.1
b QC 10	2	<input checked="" type="checkbox"/>	10	8.2	82.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	27.9	111.5
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	55.8	111.6
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	105.8	105.8
b qc 100	5	<input checked="" type="checkbox"/>	100	80.1	80.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	237.0	94.8
b QC 250	6	<input checked="" type="checkbox"/>	250	189.1	75.6
b cal 7-500ng	7	<input type="checkbox"/>	500	436.0	87.2
b cal 8-1000ng	8	<input type="checkbox"/>	1000	489.3	48.9
b qc 1000	8	<input checked="" type="checkbox"/>	1000	589.4	58.9

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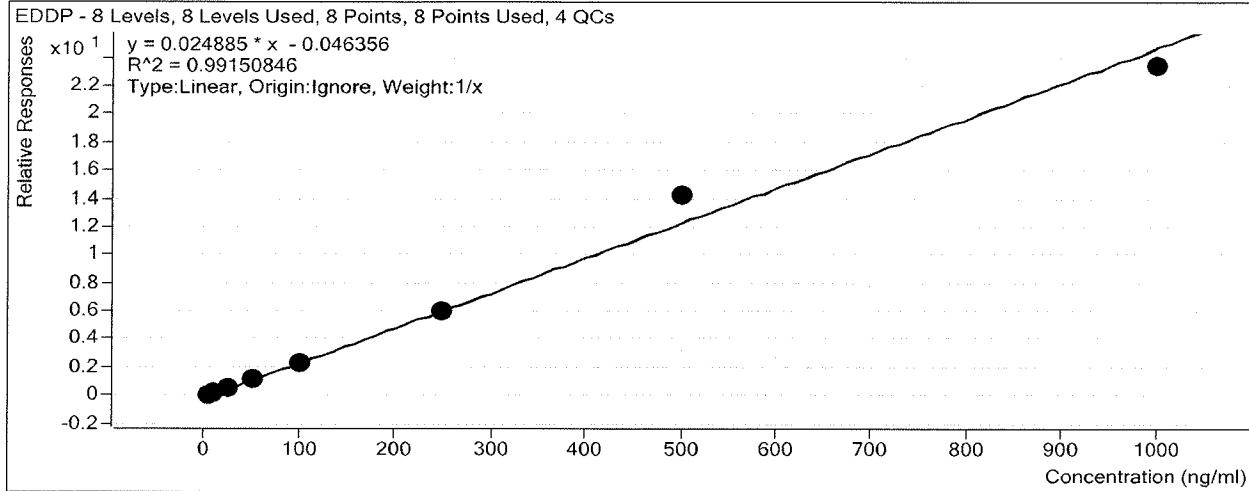
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound EDDP
Internal Standard EDDP-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	112.5
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	97.4
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	23.5	93.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.8
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.1	97.1
b qc 100	5	<input checked="" type="checkbox"/>	100	86.5	86.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	240.3	96.1
b QC 250	6	<input checked="" type="checkbox"/>	250	244.5	97.8
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	574.3	114.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	942.5	94.3
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1063.8	106.4

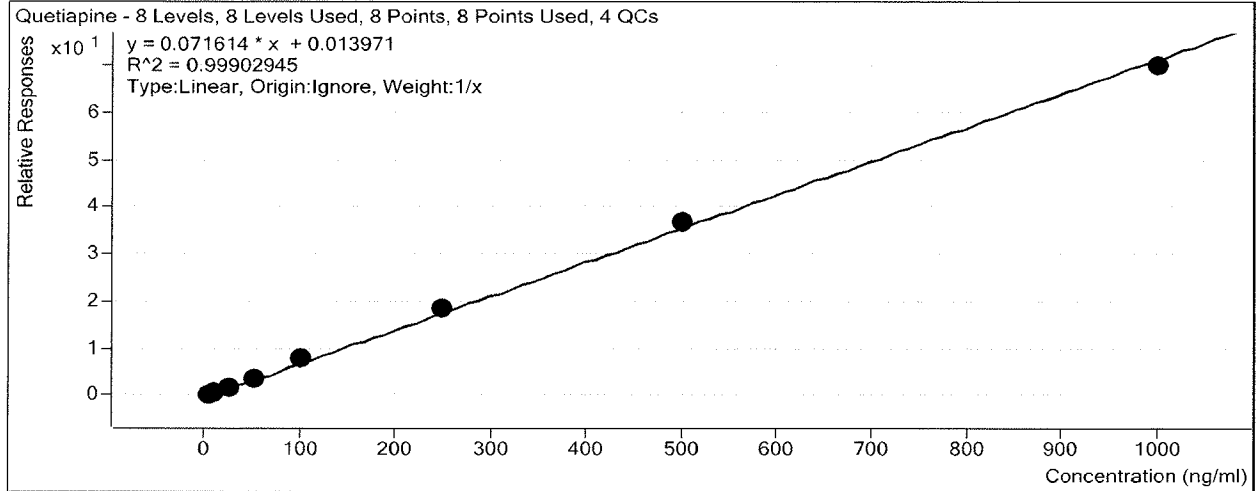
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound Quetiapine
Internal Standard Quetiapine-D8



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.8	96.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.7	96.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	103.6
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.5	98.0
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	106.6	106.6
b qc 100	5	<input checked="" type="checkbox"/>	100	107.5	107.5
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	258.9	103.6
b QC 250	6	<input checked="" type="checkbox"/>	250	258.1	103.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	511.7	102.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	974.3	97.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	931.9	93.2

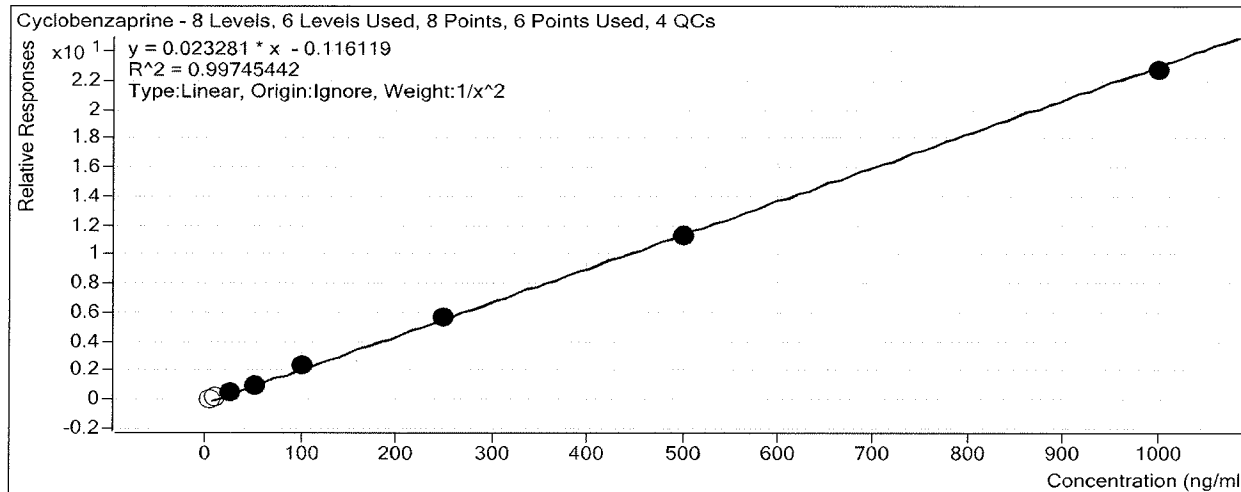
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound *Cyclobenzaprine*
Internal Standard *Cyclobenzaprine-D3*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	5	8.9	177.9
b cal 2-10ng	2	<input type="checkbox"/>	10	14.3	142.6
b QC 10	2	<input checked="" type="checkbox"/>	10	14.5	144.9
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.2	100.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	47.5	95.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.1	107.1
b qc 100	5	<input checked="" type="checkbox"/>	100	104.4	104.4
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	251.4	100.6
b QC 250	6	<input checked="" type="checkbox"/>	250	255.4	102.2
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	492.1	98.4
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	980.4	98.0
b qc 1000	8	<input checked="" type="checkbox"/>	1000	956.6	95.7

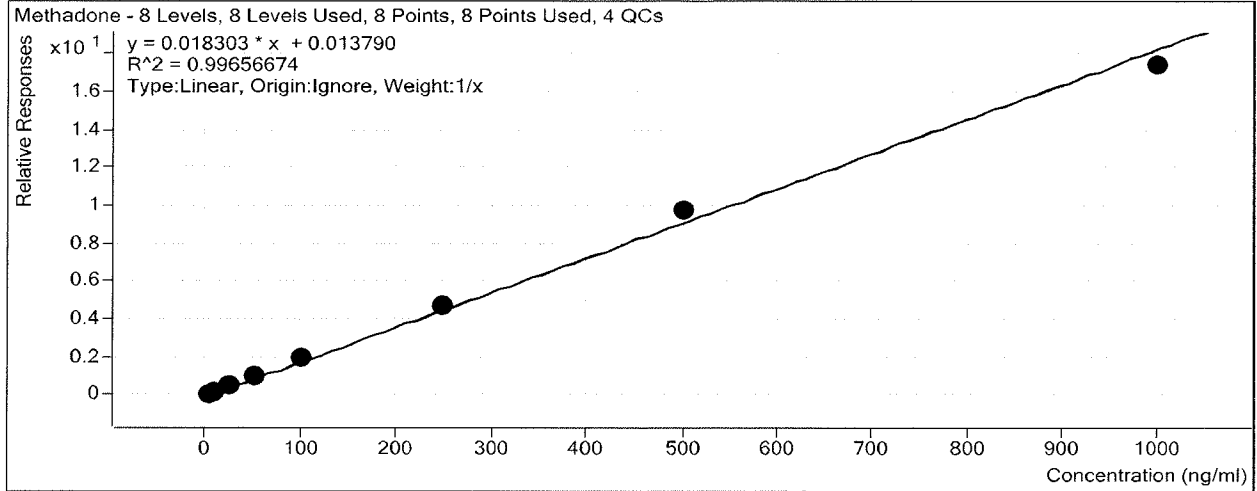
ratios out

ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM **Analyst Name** ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	4.4	88.0
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.5	94.5
b QC 10	2	<input checked="" type="checkbox"/>	10	10.2	102.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.3	101.1
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	52.1	104.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.0	107.0
b qc 100	5	<input checked="" type="checkbox"/>	100	93.1	93.1
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	259.0	103.6
b QC 250	6	<input checked="" type="checkbox"/>	250	274.8	109.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	534.7	106.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	948.1	94.8
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1042.7	104.3

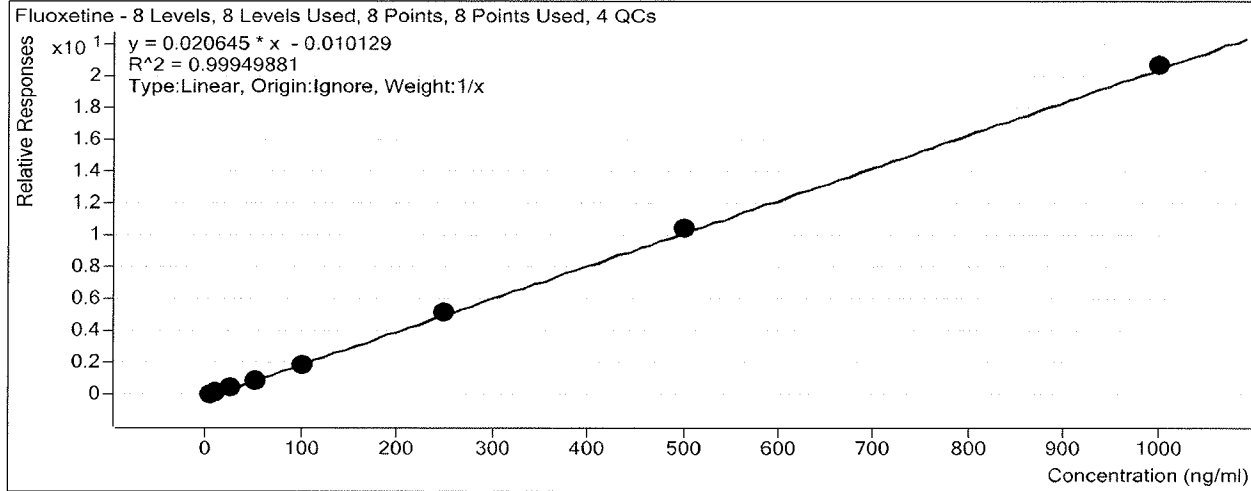
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.6	111.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.2	102.4
b QC 10	2	<input checked="" type="checkbox"/>	10	11.0	110.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.6
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	45.7	91.4
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	94.0	94.0
b qc 100	5	<input checked="" type="checkbox"/>	100	106.2	106.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	249.6	99.8
b QC 250	6	<input checked="" type="checkbox"/>	250	260.9	104.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	505.8	101.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1004.2	100.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	991.0	99.1

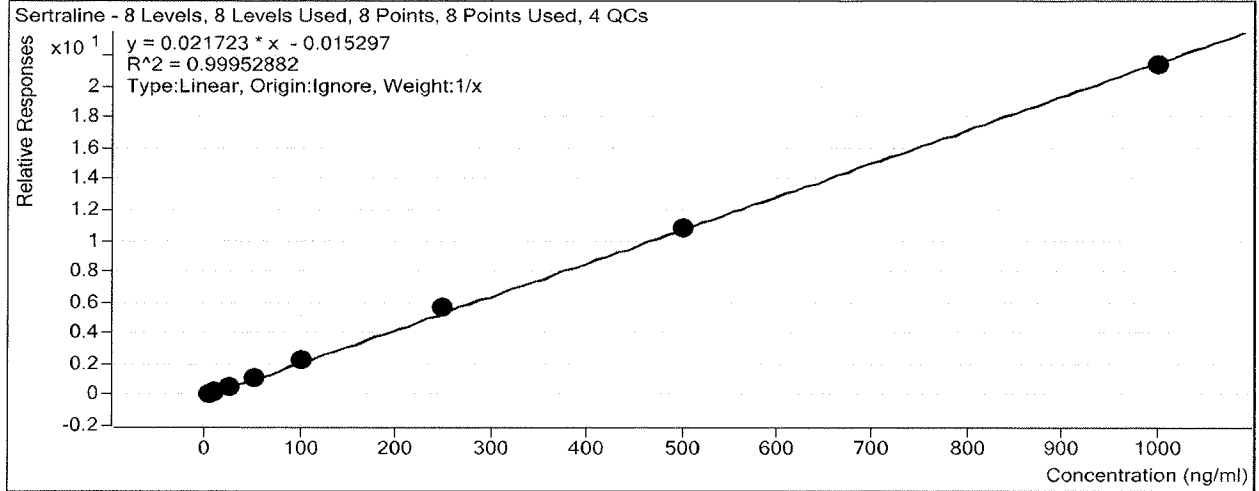
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound Sertraline
Internal Standard Sertraline-D3



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.4	94.0
b QC 10	2	<input checked="" type="checkbox"/>	10	11.4	114.2
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	25.4	101.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.6	99.2
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	102.2	102.2
b qc 100	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	261.6	104.6
b QC 250	6	<input checked="" type="checkbox"/>	250	269.0	107.6
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	501.3	100.3
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	985.7	98.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	1037.2	103.7

ISP Forensics Calibration Curve Report

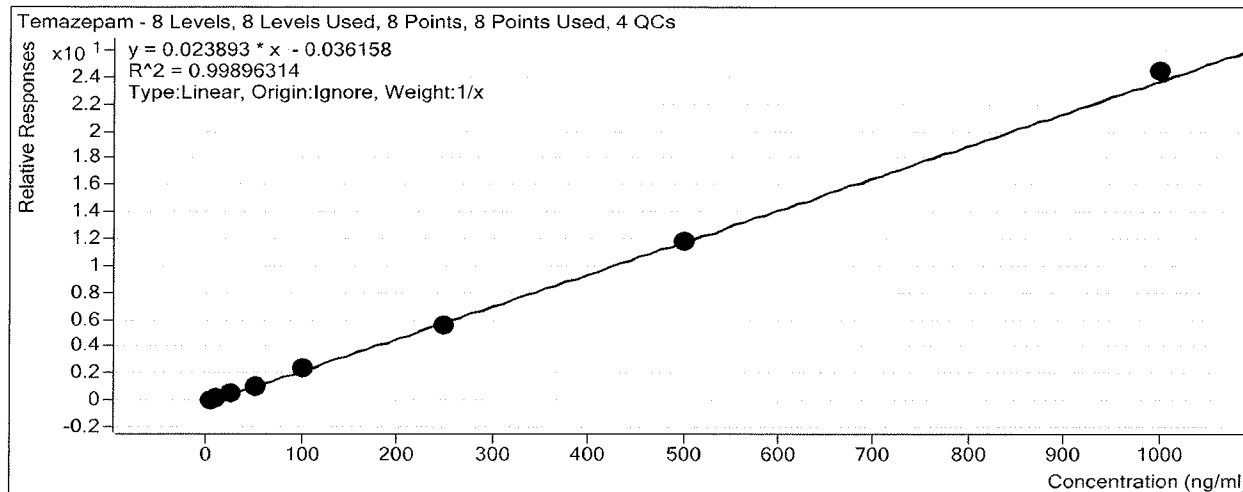
Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound *Temazepam*

Internal Standard *Temazepam-D5*



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.4	107.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	10.8	107.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.8	107.7
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.0	95.9
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	46.9	93.7
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	100.1	100.1
b qc 100	5	<input checked="" type="checkbox"/>	100	94.3	94.3
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	235.1	94.0
b QC 250	6	<input checked="" type="checkbox"/>	250	237.2	94.9
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	494.3	98.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	1023.5	102.4
b qc 1000	8	<input checked="" type="checkbox"/>	1000	974.8	97.5

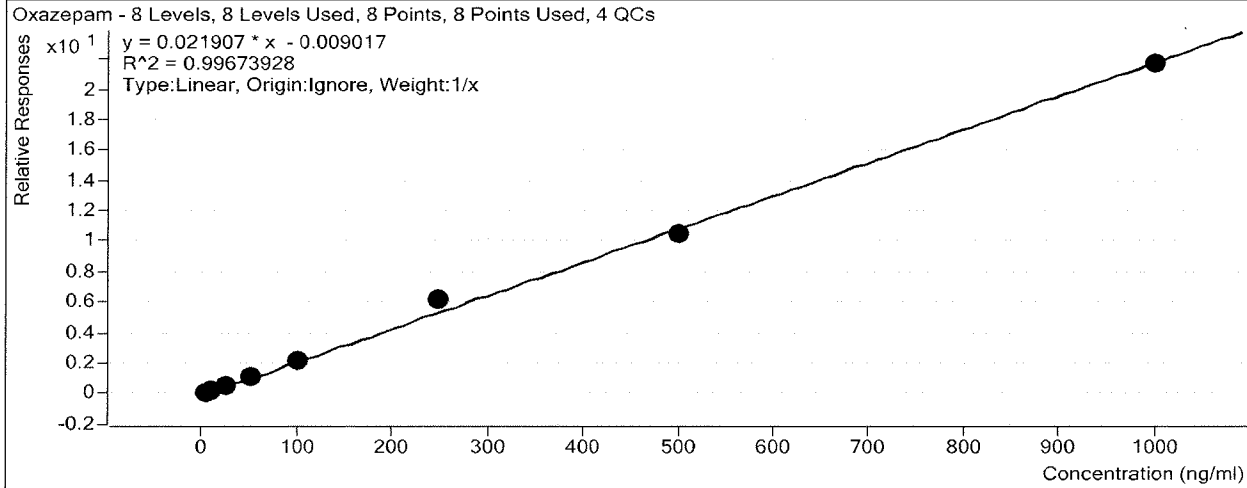
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound Oxazepam
Internal Standard Oxazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.1	102.7
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	9.2	92.4
b QC 10	2	<input checked="" type="checkbox"/>	10	10.3	102.5
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.2	96.8
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	51.1	102.3
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	97.4	97.4
b qc 100	5	<input checked="" type="checkbox"/>	100	100.9	100.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	284.1	113.6
b QC 250	6	<input checked="" type="checkbox"/>	250	250.9	100.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	479.3	95.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	989.5	98.9
b qc 1000	8	<input type="checkbox"/>	1000	857.1	85.7

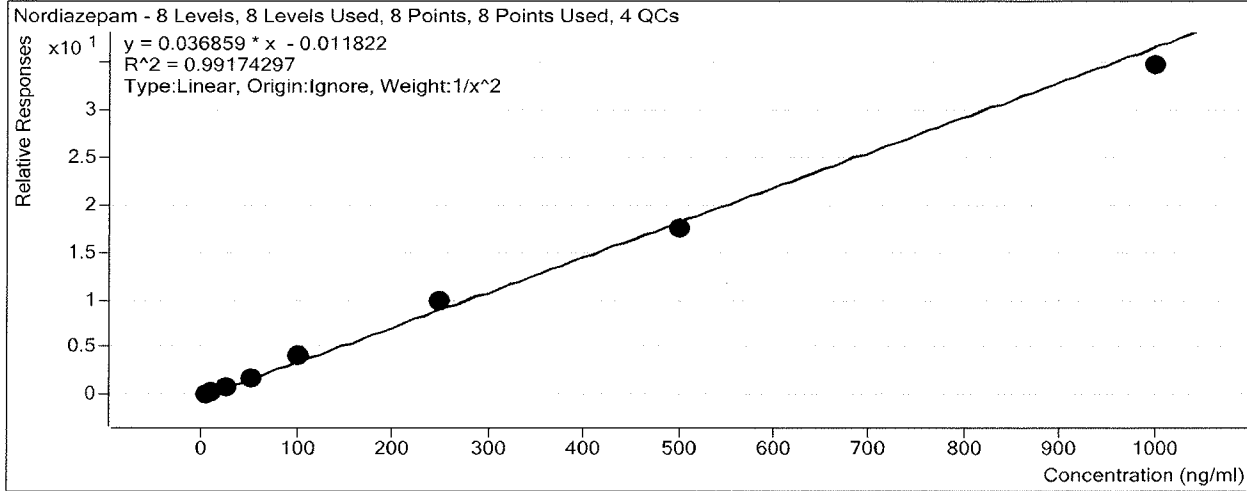
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

Target Compound Nordiazepam
Internal Standard Nordiazepam-D5



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.3	105.3
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	88.9
b QC 10	2	<input checked="" type="checkbox"/>	10	10.4	104.0
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.9	99.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	48.5	97.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	112.6	112.6
b qc 100	5	<input checked="" type="checkbox"/>	100	104.2	104.2
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	269.3	107.7
b QC 250	6	<input checked="" type="checkbox"/>	250	236.1	94.4
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	474.9	95.0
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	941.0	94.1
b qc 1000	8	<input type="checkbox"/>	1000	925.3	92.5

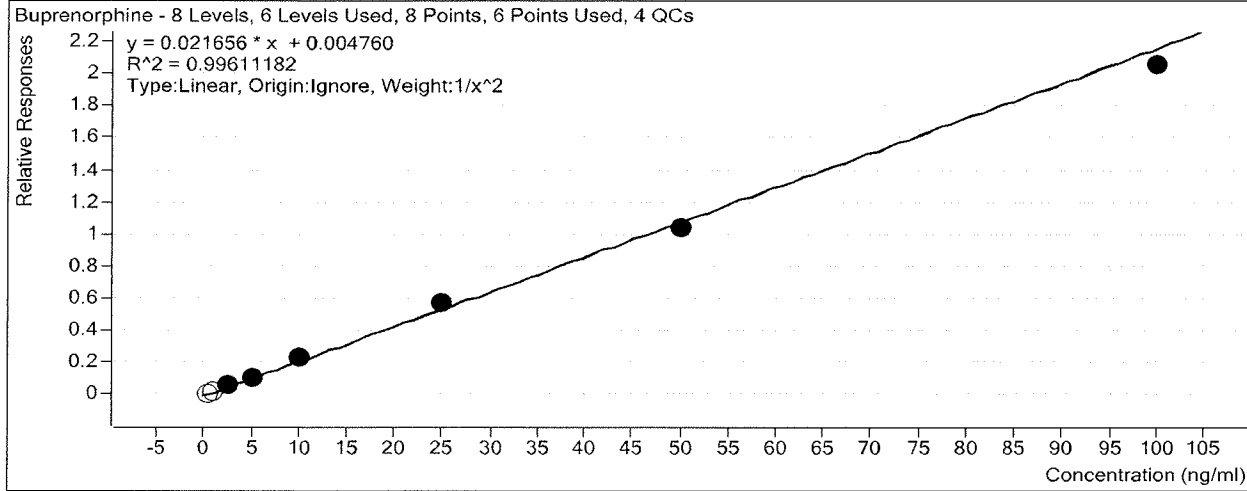
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input type="checkbox"/>	0.5	0.4	72.2
b cal 2-10ng	2	<input type="checkbox"/>	1	0.9	89.6
b QC 10	2	<input checked="" type="checkbox"/>	1	0.8	83.4
b cal 3-25ng	3	<input checked="" type="checkbox"/>	2.5	2.5	98.4
b cal 4-50ng	4	<input checked="" type="checkbox"/>	5	5.0	99.1
b cal 5-100ng	5	<input checked="" type="checkbox"/>	10	10.8	108.0
b qc 100	5	<input checked="" type="checkbox"/>	10	10.7	106.9
b cal 6-250ng	6	<input checked="" type="checkbox"/>	25	25.9	103.7
b QC 250	6	<input checked="" type="checkbox"/>	25	26.1	104.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	50	48.1	96.2
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	100	94.6	94.6
b qc 1000	8	<input checked="" type="checkbox"/>	100	89.4	89.4

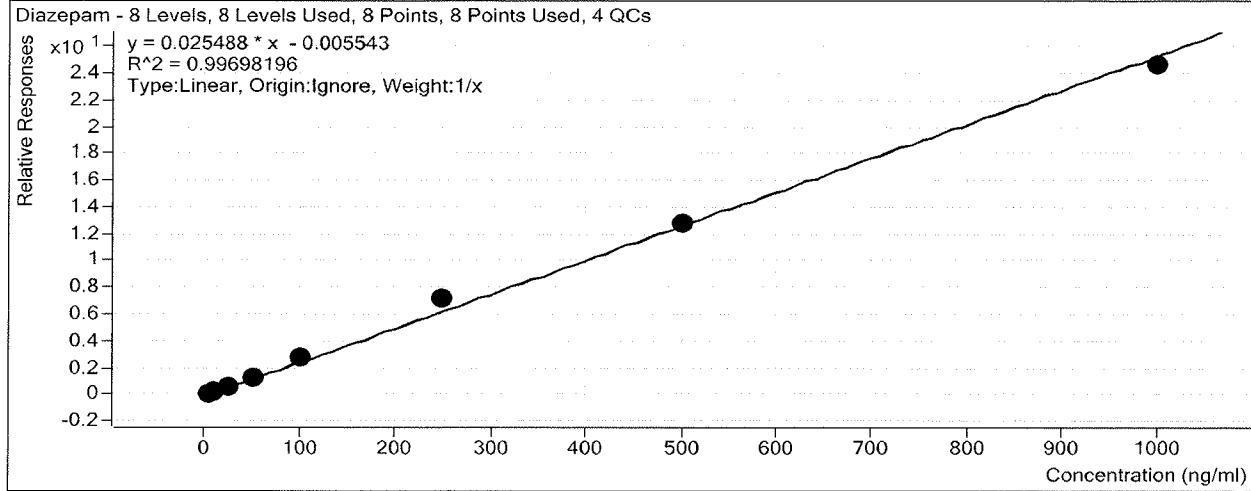
ISP Forensics Calibration Curve Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin

Last Calib Update 8/29/2018 8:55 AM

Analyst Name ISP TOX

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



Sample	Level	Enabled	Exp Conc	Final Conc	Accuracy
b cal 1-5ng	1	<input checked="" type="checkbox"/>	5	5.0	99.1
b cal 2-10ng	2	<input checked="" type="checkbox"/>	10	8.9	88.6
b QC 10	2	<input checked="" type="checkbox"/>	10	9.7	97.1
b cal 3-25ng	3	<input checked="" type="checkbox"/>	25	24.4	97.7
b cal 4-50ng	4	<input checked="" type="checkbox"/>	50	49.5	99.0
b cal 5-100ng	5	<input checked="" type="checkbox"/>	100	107.3	107.3
b qc 100	5	<input checked="" type="checkbox"/>	100	104.0	104.0
b cal 6-250ng	6	<input checked="" type="checkbox"/>	250	279.7	111.9
b QC 250	6	<input checked="" type="checkbox"/>	250	248.9	99.5
b cal 7-500ng	7	<input checked="" type="checkbox"/>	500	499.3	99.9
b cal 8-1000ng	8	<input checked="" type="checkbox"/>	1000	966.0	96.6
b qc 1000	8	<input checked="" type="checkbox"/>	1000	951.5	95.1

ISP FORENSICS - Cd'A Instrument # 62340

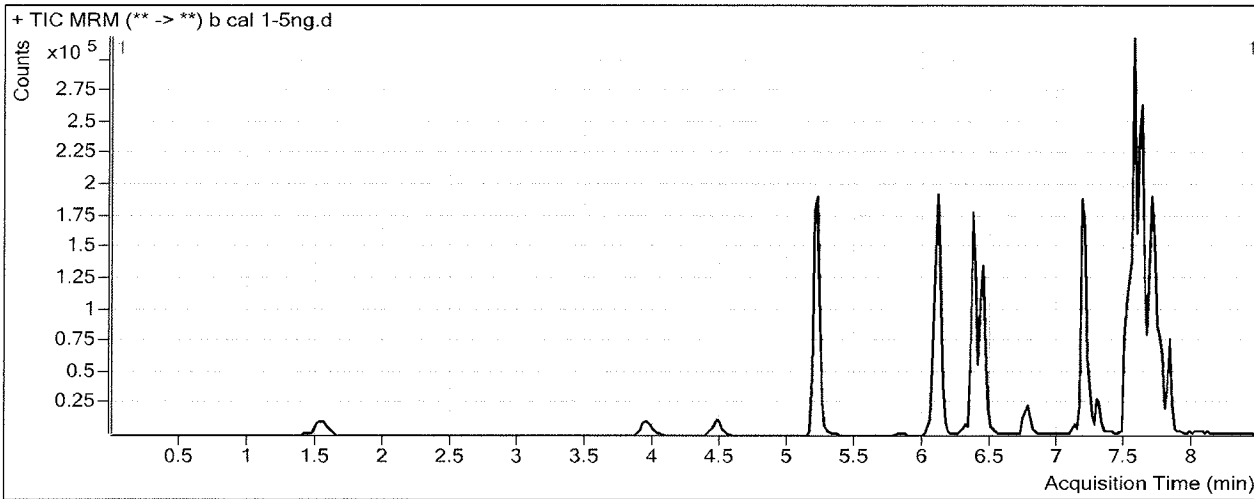
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin
Analysis Time 8/29/2018 8:55 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 8:58 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 16:38 **Data File** b cal 1-5ng.d
Sample Type Calibration **Sample Name** b cal 1-5ng
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-A1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	7872	67102	0.1173	5.1173
Dihydrocodeine	Dihydrocodeine-D6	4.010	5846	62016	0.0943	3.7588
Noroxycodone	Noroxycodone-D3	4.498	6622	51971	0.1274	6.0948
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	63818	594772	0.1073	5.0648
Benzoylcegonine	Benzoylcegonine-d8	5.828	358	4274	0.0837	5.4603
Ketamine	Ketamine-D4	6.081	25531	198554	0.1286	5.0638
Norfentanyl	Norfentanyl-D5	6.124	4279	447602	0.0096	0.7058 *
Cocaine	Cocaine-d3	6.349	43415	465253	0.0933	5.1021
alpha-PVP	alpha-PVP-d8	6.445	39891	343741	0.1160	5.0415
Mirtazapine	alpha-PVP-d8	6.760	37120	343741	0.1080	4.8395
Norbuprenorphine	Norbuprenorphine-D3	7.113	215	19468	0.0110	0.3542 *
Fentanyl	Fentanyl-D5	7.196	5143	529347	0.0097	0.5165
Mitragynine	EDDP-D3	7.274	12484	41259	0.3026	4.1061
EDDP	EDDP-D3	7.287	3863	41259	0.0936	5.6253
Quetiapine	Quetiapine-D8	7.497	69477	194058	0.3580	4.8043
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	19320	212397	0.0910	8.8946 *
Methadone	Methadone-D9	7.560	47248	501110	0.0943	4.3981
Fluoxetine	Fluoxetine-D6	7.622	55060	525815	0.1047	5.5626
Sertraline	Sertraline-D3	7.683	10226	109903	0.0930	4.9874
Temazepam	Temazepam-D5	7.705	30325	330391	0.0918	5.3547
Oxazepam	Oxazepam-D5	7.646	15158	146451	0.1035	5.1361
Nordiazepam	Nordiazepam-D5	7.773	12701	69714	0.1822	5.2635
Buprenorphine	Buprenorphine-D4	7.795	1870	148583	0.0126	0.3612 *

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	15439	127907	0.1207	4.9533

ISP FORENSICS - Cd'A Instrument # 62340

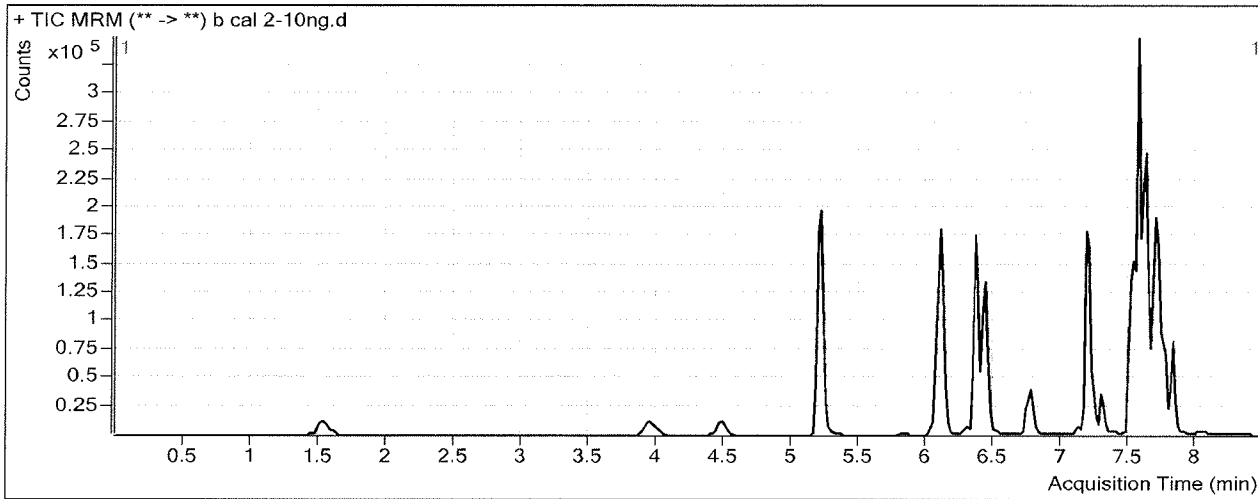
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin
Analysis Time 8/29/2018 8:55 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 8:58 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 17:04 **Data File** b cal 2-10ng.d
Sample Type Calibration **Sample Name** b cal 2-10ng
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-B1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	14510	63137	0.2298	9.7133
Dihydrocodeine	Dihydrocodeine-D6	4.010	11107	58387	0.1902	9.1690
Noroxycodone	Noroxycodone-D3	4.498	11724	47923	0.2446	9.9228
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	113676	556933	0.2041	9.6182
Benzoylcegonine	Benzoylcegonine-d8	5.848	640	4200	0.1525	10.4071
Ketamine	Ketamine-D4	6.081	42951	179231	0.2396	9.5943
Norfentanyl	Norfentanyl-D5	6.124	8226	413514	0.0199	1.1414 *
Cocaine	Cocaine-d3	6.349	72832	415414	0.1753	9.5894
alpha-PVP	alpha-PVP-d8	6.445	67339	296911	0.2268	9.7794
Mirtazapine	alpha-PVP-d8	6.760	65549	296911	0.2208	9.8723
Norbuprenorphine	Norbuprenorphine-D3	7.113	486	19225	0.0253	0.9986
Fentanyl	Fentanyl-D5	7.196	9329	503479	0.0185	0.9156
Mitragynine	EDDP-D3	7.274	23072	37045	0.6228	9.4107
EDDP	EDDP-D3	7.287	7264	37045	0.1961	9.7421
Quetiapine	Quetiapine-D8	7.497	122846	173604	0.7076	9.6860
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	41524	192436	0.2158	14.2560 *
Methadone	Methadone-D9	7.560	88968	476392	0.1868	9.4502
Fluoxetine	Fluoxetine-D6	7.622	86773	431162	0.2013	10.2386
Sertraline	Sertraline-D3	7.683	14901	78870	0.1889	9.4020
Temazepam	Temazepam-D5	7.705	70254	316811	0.2218	10.7942
Oxazepam	Oxazepam-D5	7.646	29489	152500	0.1934	9.2385
Nordiazepam	Nordiazepam-D5	7.773	21672	68637	0.3157	8.8870
Buprenorphine	Buprenorphine-D4	7.795	3573	147865	0.0242	0.8960 *

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	27035	122685	0.2204	8.8634



ISP FORENSICS - Cd'A Instrument # 62340

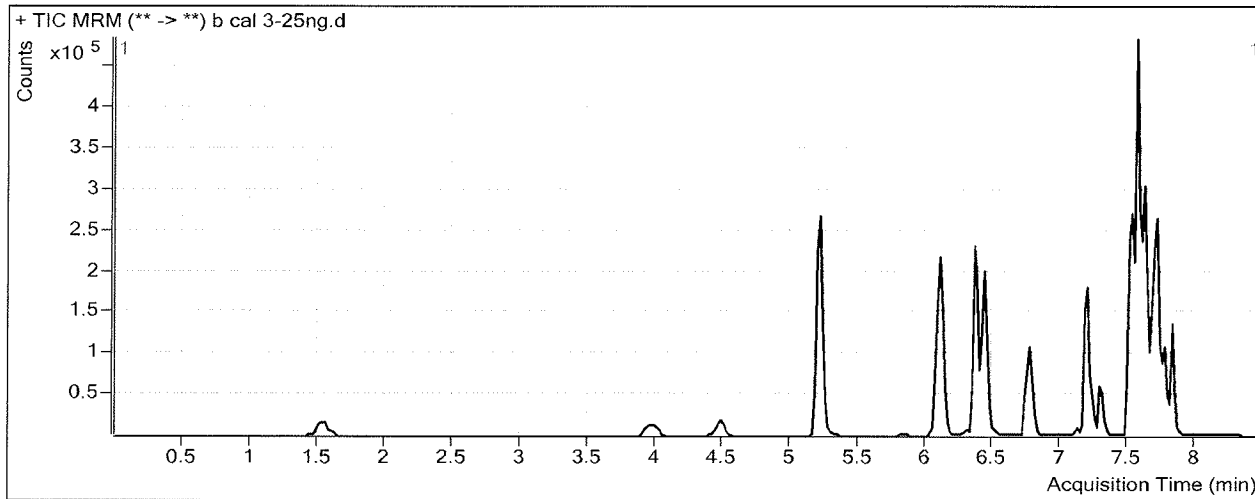
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-28 17:29	Data File	b cal 3-25ng.d
Sample Type	Calibration	Sample Name	b cal 3-25ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-C1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	38171	64198	0.5946	24.6163
Dihydrocodeine	Dihydrocodeine-D6	4.010	28777	59945	0.4801	25.5059
Noroxycodone	Noroxycodone-D3	4.498	31333	47696	0.6569	23.3873
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	307571	578232	0.5319	25.0358
Benzoylcegonine	Benzoylcegonine-d8	5.848	1380	4406	0.3131	21.9648
Ketamine	Ketamine-D4	6.081	118318	188889	0.6264	25.3723
Norfentanyl	Norfentanyl-D5	6.124	24907	432468	0.0576	2.7304
Cocaine	Cocaine-d3	6.349	198777	439951	0.4518	24.7184
alpha-PVP	alpha-PVP-d8	6.445	184230	314721	0.5854	25.1193
Mirtazapine	alpha-PVP-d8	6.760	180196	314721	0.5726	25.5711
Norbuprenorphine	Norbuprenorphine-D3	7.113	1161	19561	0.0594	2.5389
Fentanyl	Fentanyl-D5	7.196	26200	486490	0.0539	2.5152
Mitragynine	EDDP-D3	7.274	63618	36605	1.7379	27.8830
EDDP	EDDP-D3	7.287	19678	36605	0.5376	23.4644
Quetiapine	Quetiapine-D8	7.517	326335	184506	1.7687	24.5026
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	87442	185953	0.4702	25.1856
Methadone	Methadone-D9	7.560	232240	487652	0.4762	25.2668
Fluoxetine	Fluoxetine-D6	7.622	206494	409954	0.5037	24.8882
Sertraline	Sertraline-D3	7.683	38957	72753	0.5355	25.3546
Temazepam	Temazepam-D5	7.705	182491	340125	0.5365	23.9689
Oxazepam	Oxazepam-D5	7.646	71638	137531	0.5209	24.1889
Nordiazepam	Nordiazepam-D5	7.773	62645	69257	0.9045	24.8609
Buprenorphine	Buprenorphine-D4	7.795	8615	148441	0.0580	2.4600

BW

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	77122	125042	0.6168	24.4162



ISP FORENSICS - Cd'A Instrument # 62340

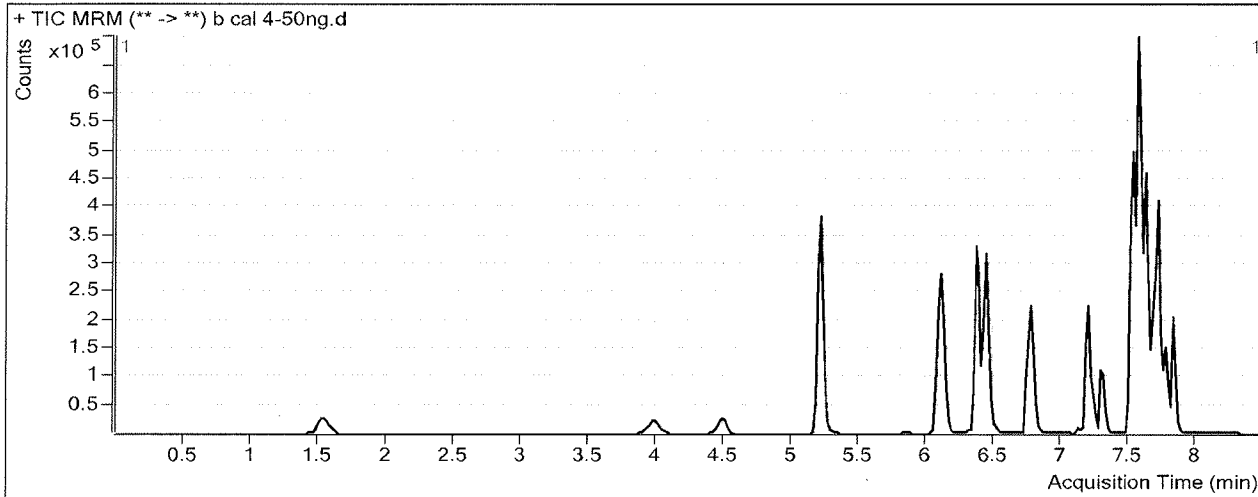
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-28 17:55	Data File	b cal 4-50ng.d
Sample Type	Calibration	Sample Name	b cal 4-50ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-D1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	76507	64751	1.1816	48.5977
Dihydrocodeine	Dihydrocodeine-D6	3.990	61176	61828	0.9895	54.2209
Noroxycodone	Noroxycodone-D3	4.498	62482	46882	1.3328	45.4582
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	631724	599897	1.0531	49.5464
Benzoylcegonine	Benzoylcegonine-d8	5.848	2992	4623	0.6472	46.0007
Ketamine	Ketamine-D4	6.081	247921	198390	1.2497	50.7996
Norfentanyl	Norfentanyl-D5	6.124	49117	460810	0.1066	4.7956
Cocaine	Cocaine-d3	6.349	417897	455180	0.9181	50.2318
alpha-PVP	alpha-PVP-d8	6.445	406948	347606	1.1707	50.1603
Mirtazapine	alpha-PVP-d8	6.760	381839	347606	1.0985	49.0408
Norbuprenorphine	Norbuprenorphine-D3	7.113	2249	20042	0.1122	4.9280
Fentanyl	Fentanyl-D5	7.196	58913	527717	0.1116	5.1317
Mitragynine	EDDP-D3	7.274	145178	42393	3.4246	55.8218
EDDP	EDDP-D3	7.287	47535	42393	1.1213	46.9209
Quetiapine	Quetiapine-D8	7.517	679669	190797	3.5623	49.5477
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	196084	197883	0.9909	47.5497
Methadone	Methadone-D9	7.560	498586	515812	0.9666	52.0585
Fluoxetine	Fluoxetine-D6	7.622	417722	447443	0.9336	45.7100
Sertraline	Sertraline-D3	7.683	89308	84071	1.0623	49.6071
Temazepam	Temazepam-D5	7.705	364458	336345	1.0836	46.8639
Oxazepam	Oxazepam-D5	7.646	118667	106770	1.1114	51.1453
Nordiazepam	Nordiazepam-D5	7.773	121038	68140	1.7763	48.5126
Buprenorphine	Buprenorphine-D4	7.795	18706	166920	0.1121	4.9549

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

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	163609	130196	1.2566	49.5211



ISP FORENSICS - Cd'A Instrument # 62340

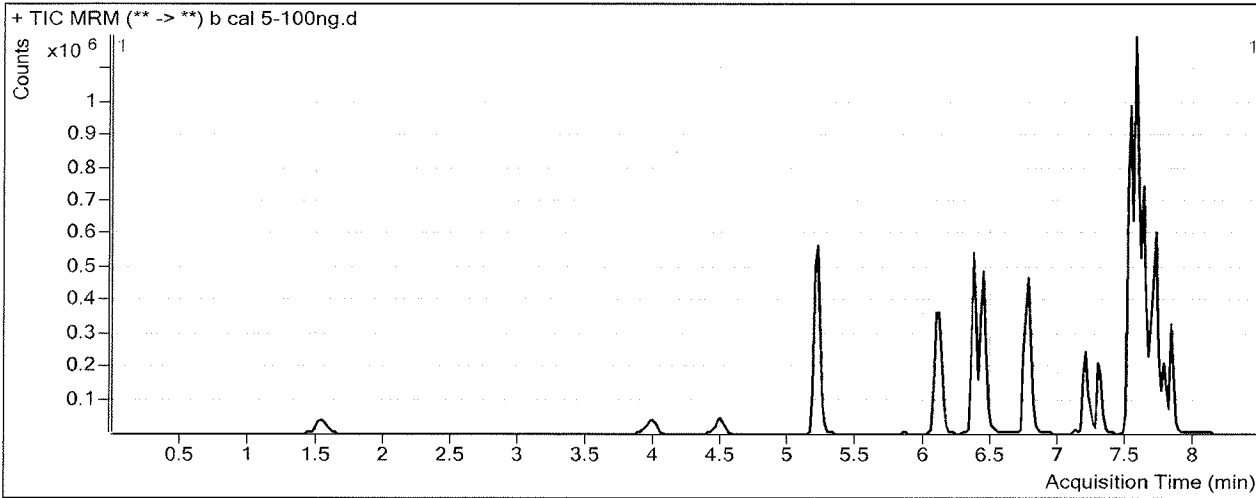
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-28 18:20	Data File	b cal 5-100ng.d
Sample Type	Calibration	Sample Name	b cal 5-100ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-E1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.548	154528	60711	2.5453	104.3146
Dihydrocodeine	Dihydrocodeine-D6	3.990	125734	60171	2.0896	116.2350
Noroxycodone	Noroxycodone-D3	4.498	122690	41989	2.9220	97.3583
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	1296453	590140	2.1969	103.3429
Benzoylcegonine	Benzoylcegonine-d8	5.828	6307	4206	1.4996	107.3258
Ketamine	Ketamine-D4	6.081	513380	196851	2.6080	106.2132
Norfentanyl	Norfentanyl-D5	6.124	102678	446810	0.2298	9.9891
Cocaine	Cocaine-d3	6.349	842309	443367	1.8998	103.9485
alpha-PVP	alpha-PVP-d8	6.445	794116	329771	2.4081	103.0950
Mirtazapine	alpha-PVP-d8	6.760	788604	329771	2.3914	106.7364
Norbuprenorphine	Norbuprenorphine-D3	7.113	4516	19684	0.2294	10.2269
Fentanyl	Fentanyl-D5	7.196	116328	515077	0.2258	10.3031
Mitragynine	EDDP-D3	7.274	275892	42826	6.4421	105.8081
EDDP	EDDP-D3	7.287	101539	42826	2.3710	97.1380
Quetiapine	Quetiapine-D8	7.517	1418836	185452	7.6507	106.6378
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	463328	194872	2.3776	107.1118
Methadone	Methadone-D9	7.560	1009362	511837	1.9720	106.9920
Fluoxetine	Fluoxetine-D6	7.622	914424	473816	1.9299	93.9694
Sertraline	Sertraline-D3	7.683	200668	91060	2.2037	102.1516
Temazepam	Temazepam-D5	7.705	674138	286134	2.3560	100.1186
Oxazepam	Oxazepam-D5	7.646	180772	85080	2.1247	97.4004
Nordiazepam	Nordiazepam-D5	7.773	214573	51849	4.1384	112.5972
Buprenorphine	Buprenorphine-D4	7.795	36514	152962	0.2387	10.8032

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	315248	115554	2.7281	107.2550



ISP FORENSICS - Cd'A Instrument # 62340

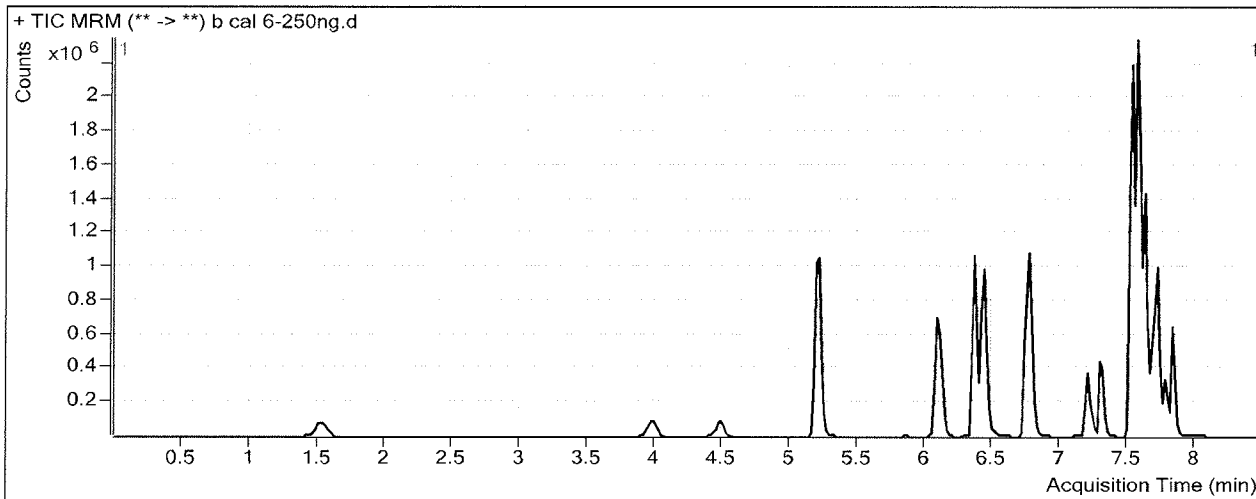
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-28 18:45	Data File	b cal 6-250ng.d
Sample Type	Calibration	Sample Name	b cal 6-250ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-F1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	344828	56266	6.1285	250.7092
Dihydrocodeine	Dihydrocodeine-D6	3.990	289064	59838	4.8308	270.7545
Noroxycodone	Noroxycodone-D3	4.498	255363	35138	7.2675	239.2725
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.219	3039880	569195	5.3407	251.2056
Benzoylcegonine	Benzoylcegonine-d8	5.828	14721	4246	3.4666	248.8413
Ketamine	Ketamine-D4	6.081	1226542	197172	6.2207	253.5987
Norfentanyl	Norfentanyl-D5	6.124	233585	420866	0.5550	23.6966
Cocaine	Cocaine-d3	6.349	1961858	430891	4.5530	249.1265
alpha-PVP	alpha-PVP-d8	6.445	1902410	324493	5.8627	250.8845
Mirtazapine	alpha-PVP-d8	6.760	1810763	324493	5.5803	249.0434
Norbuprenorphine	Norbuprenorphine-D3	7.113	9306	19275	0.4828	21.6847
Fentanyl	Fentanyl-D5	7.196	288354	528173	0.5459	24.7975
Mitragynine	EDDP-D3	7.274	591068	41160	14.3602	236.9703
EDDP	EDDP-D3	7.287	244256	41160	5.9343	240.3261
Quetiapine	Quetiapine-D8	7.517	3161902	170424	18.5531	258.8777
Cyclobenzaprine	Cyclobenzaprine-D3	7.550	919913	160324	5.7378	251.4433
Methadone	Methadone-D9	7.560	2339536	492044	4.7547	259.0290
Fluoxetine	Fluoxetine-D6	7.622	2370260	460910	5.1426	249.5799
Sertraline	Sertraline-D3	7.683	446916	78867	5.6667	261.5720
Temazepam	Temazepam-D5	7.705	1266737	226987	5.5807	235.0778
Oxazepam	Oxazepam-D5	7.646	249990	40228	6.2143	284.0772
Nordiazepam	Nordiazepam-D5	7.773	396663	40011	9.9139	269.2877
Buprenorphine	Buprenorphine-D4	7.795	88427	156219	0.5660	25.9182

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	704078	98845	7.1231	279.6880

ISP FORENSICS - Cd'A Instrument # 62340

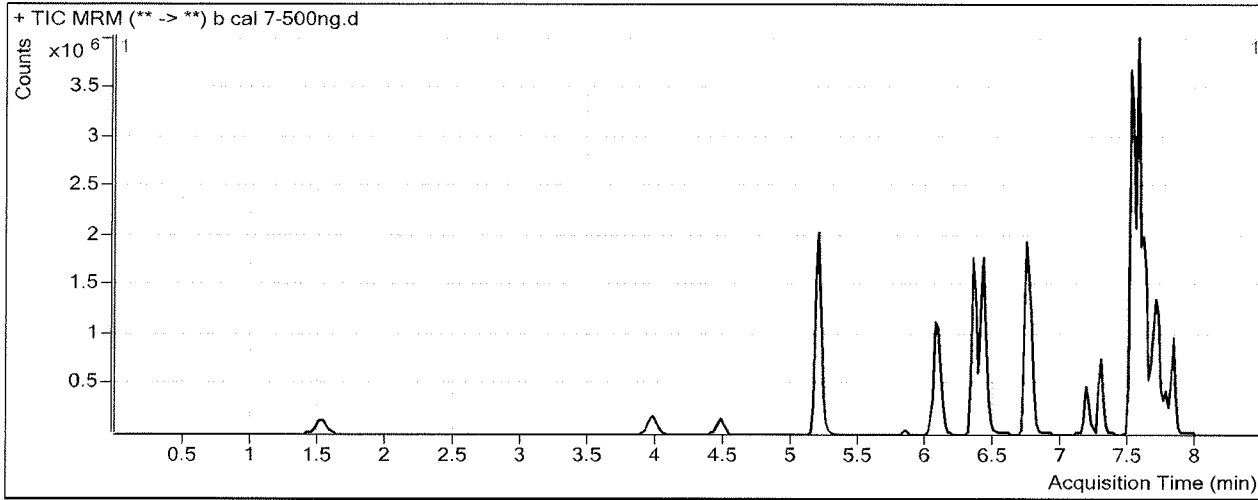
Multi-Drug Confirmatory Analysis Report

Batch Data Path D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin
Analysis Time 8/29/2018 8:55 AM **Analyst Name** ISP Tox
Report Time 8/29/2018 8:58 AM **Reporter Name** ISP Tox
Last Calib Update 8/29/2018 8:55 AM **Batch State** Processed

Analysis Info

Acq Time 2018-08-28 19:11 **Data File** b cal 7-500ng.d
Sample Type Calibration **Sample Name** b cal 7-500ng
Dilution 1 **Acq Method** b1 mdq 618.m
Position P2-G1 **Sample Info**
Inj Vol -1 **Comment** AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	626226	50627	12.3694	505.6878
Dihydrocodeine	Dihydrocodeine-D6	3.970	569931	61484	9.2696	520.9679
Noroxycodone	Noroxycodone-D3	4.477	448850	29733	15.0958	494.9276
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	5901266	556880	10.5970	498.4268
Benzylecgonine	Benzylecgonine-d8	5.828	42575	4662	9.1328	656.4992
Ketamine	Ketamine-D4	6.061	2316138	190582	12.1530	495.6142
Norfentanyl	Norfentanyl-D5	6.104	458672	397767	1.1531	48.9068
Cocaine	Cocaine-d3	6.329	3729720	405705	9.1932	503.0242
alpha-PVP	alpha-PVP-d8	6.425	3656592	314437	11.6290	497.5662
Mirtazapine	alpha-PVP-d8	6.740	3401555	314437	10.8179	482.7748
Norbuprenorphine	Norbuprenorphine-D3	7.092	17877	16105	1.1100	50.0401
Fentanyl	Fentanyl-D5	7.176	515334	468743	1.0994	49.8582
Mitragynine	EDDP-D3	7.274	935502	35471	26.3739	435.9786
EDDP	EDDP-D3	7.287	505264	35471	14.2445	574.2674
Quetiapine	Quetiapine-D8	7.497	5402463	147386	36.6552	511.6518
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	1649061	145402	11.3414	492.1286
Methadone	Methadone-D9	7.560	3812345	389028	9.7997	534.6676
Fluoxetine	Fluoxetine-D6	7.602	3655616	350395	10.4328	505.8233
Sertraline	Sertraline-D3	7.663	684609	62962	10.8733	501.2593
Temazepam	Temazepam-D5	7.705	2023783	171884	11.7741	494.2880
Oxazepam	Oxazepam-D5	7.646	334106	31844	10.4919	479.3430
Nordiazepam	Nordiazepam-D5	7.773	613437	35068	17.4925	474.8966
Buprenorphine	Buprenorphine-D4	7.795	143420	137023	1.0467	48.1125

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	1187897	93378	12.7214	499.3360

ISP FORENSICS - Cd'A Instrument # 62340

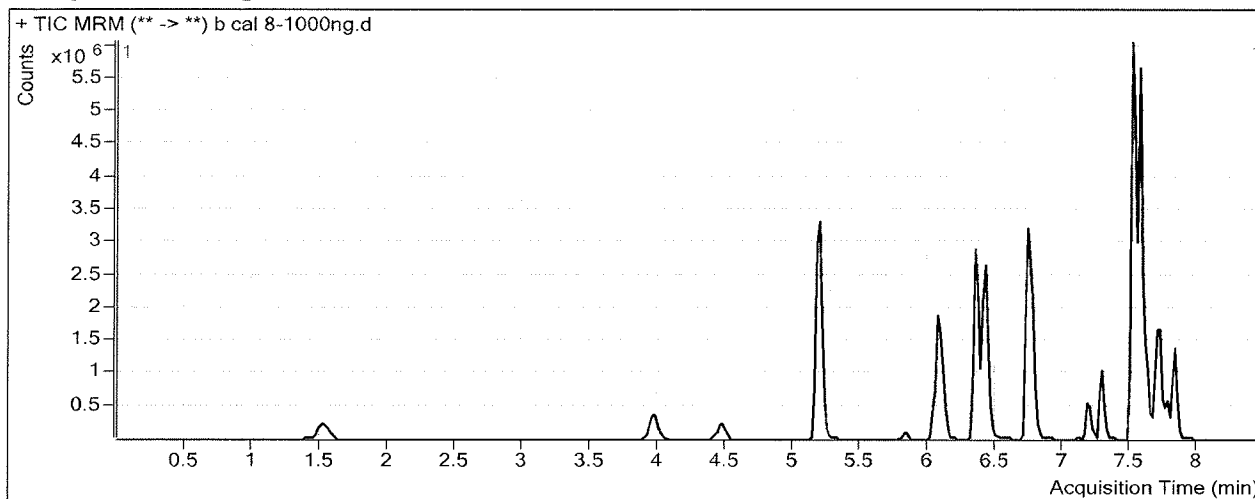
Multi-Drug Confirmatory Analysis Report

Batch Data Path	D:\2018 Data\08282018 mdqp1\QuantResults\8282018 mdqp1b.batch.bin		
Analysis Time	8/29/2018 8:55 AM	Analyst Name	ISP Tox
Report Time	8/29/2018 8:58 AM	Reporter Name	ISP Tox
Last Calib Update	8/29/2018 8:55 AM	Batch State	Processed

Analysis Info

Acq Time	2018-08-28 19:36	Data File	b cal 8-1000ng.d
Sample Type	Calibration	Sample Name	b cal 8-1000ng
Dilution	1	Acq Method	b1 mdq 618.m
Position	P2-H1	Sample Info	
Inj Vol	-1	Comment	AM 28 Panel 1

Sample Chromatogram



Results

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Oxymorphone	Oxymorphone-D3	1.528	1118210	46104	24.2540	991.2438
Dihydrocodeine	Dihydrocodeine-D6	3.970	1031110	61771	16.6924	939.3880
Noroxycodone	Noroxycodone-D3	4.477	737016	23559	31.2834	1023.5785
O-desmethyl-tramadol	O-desmethyl-tramadol-D6	5.199	10835665	510787	21.2137	997.7596
Benzoylcegonine	Benzoylcegonine-d8	5.828	106360	4239	25.0910	1804.6122
Ketamine	Ketamine-D4	6.061	4044196	177529	22.7805	929.1777
Norfentanyl	Norfentanyl-D5	6.104	822408	339586	2.4218	102.3815
Cocaine	Cocaine-d3	6.329	6426894	356938	18.0056	985.2204
alpha-PVP	alpha-PVP-d8	6.425	5875663	257521	22.8162	976.1568
Mirtazapine	alpha-PVP-d8	6.740	5840555	257521	22.6799	1012.1217
Norbuprenorphine	Norbuprenorphine-D3	7.092	27490	11189	2.4569	110.9378
Fentanyl	Fentanyl-D5	7.176	774311	351016	2.2059	99.9623
Mitragynine	EDDP-D3	7.274	1141764	38584	29.5915	489.2781
EDDP	EDDP-D3	7.287	903199	38584	23.4086	942.5157
Quetiapine	Quetiapine-D8	7.497	9432706	135165	69.7866	974.2922
Cyclobenzaprine	Cyclobenzaprine-D3	7.529	1575164	69360	22.7098	980.4348
Methadone	Methadone-D9	7.560	5634319	324421	17.3673	948.1377
Fluoxetine	Fluoxetine-D6	7.602	1981259	95608	20.7226	1004.2281
Sertraline	Sertraline-D3	7.663	260247	12163	21.3959	985.6659
Temazepam	Temazepam-D5	7.705	3351199	137234	24.4196	1023.5340
Oxazepam	Oxazepam-D5	7.646	482716	22279	21.6673	989.4708
Nordiazepam	Nordiazepam-D5	7.773	869289	25071	34.6729	941.0027
Buprenorphine	Buprenorphine-D4	7.795	193521	94271	2.0528	94.5722

ISP FORENSICS - Cd'A Instrument # 62340

Multi-Drug Confirmatory Analysis Report

Compound	ISTD Compound	RT	Response	ISTD Resp	Resp Ratio	Final Conc
Diazepam	Diazepam-D5	7.829	1953348	79357	24.6147	965.9671

