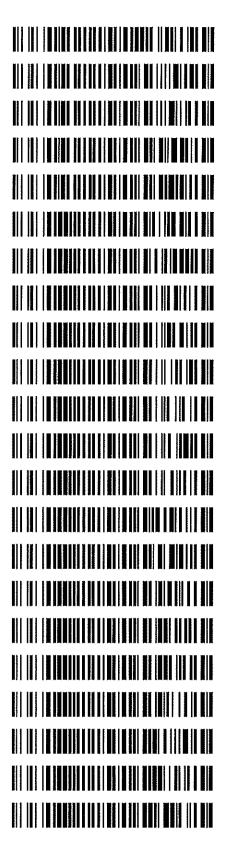
REVIEWED

By Sarah Pickle at 10:41 am, Sep 12, 2019

#### Worklist: 3645

LAB_CASE M2019-3066	<u>ITEM</u> 1	<u>TASK ID</u> 162134	<u>DESCRIPTION</u> AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
M2019-3336	1	162135	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
M2019-3336	3	162136	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
M2019-3511	2	162137	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
M2019-3580	2	162138	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2297	1	162139	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2308	1 .	162140	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2335	1	162141	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2336	1	162142	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2339	1	162143	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2340	1	162144	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2341	1	162145	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2342	1	162146	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2349	1	162147	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2395	1	162148	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2396	1	162149	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2397	1	162150	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2398	1	162151	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2399	2	162152	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2409	1	162153	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2443	1	162154	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(
P2019-2491	1	162155	AM 28 Blood Multi-Drug Quant Panel 1 by LC-Q(



8/30/2019

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

Extraction Date: 09/03/19 Plate lot#: Item #:IDP-111 Lot:190729 Analyst: Tamara Salazar Plate Expiration: 01/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA 0.5M Ammonium Hydroxide Blank Blood Lot: 445283-1 LCMS-QQQ ID: 069901 Mobile phase B:0.01% Formic Acid in MeOHEthyl Acetate20% Methanol in WaterColumn:Agilent 120 EC-C18 (2.1x 100-4um)

#### **Pre-Analytic:**

- ☑ 1. Check levels of mobile phases and needle wash refill as needed. Ensure waste is not full.
- ☑ 2. Ensure correct column is installed and begin mobile phase flow allow to equilibrate ~ 30 minutes.
- $\boxtimes$  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: 3 in wells of analytical (standards) plate.
- ⊠ 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. Shaker ID: 067105
- ☑ 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: 067104
- ⊠ 8. Wait 5 minutes.
- Solution 9. Add 900uL ethyl acetate.
- $\boxtimes$  10. Wait 5 minutes.
- ☑ 11. Apply positive pressure for approx. 15 seconds. (10-15 PSI- Selector to the left).
- ☑ 12. Add 900uL ethyl acetate.
- $\boxtimes$  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: 067103
- ☑ 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: D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects Batch Name: MDQ wklst3645 TS
- $\boxtimes$  2. Make necessary changes to integration limits
- $\boxtimes$  3. Integration linear and  $\mathbb{R}^2$  values  $\ge 0.98$  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? Y / N \_\_\_\_\_ Add Control data to QC tracking spreadsheet.
- ☑ 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: Samples were initially extracted and injected on 09/03/19. However, due to retention time shifts and poor peak shapes, the data was determined to be unusable. The source of the issue was found to be a faulty column. As the lab did not possess a column of the same item number, an equivalent column was installed. The samples were kept under refrigeration and reinjected on 09/10/19.

*Curves Limited: Benzoylecgonine 5-100, Buprenorphine 0.5-50(QC 10 not evaluated as qualifier peak is cut off), Lorazepam 25-1000, Metoprolol 5-500, Mirtazapine 5-100, Norhydrocodone 10-1000, Oxazepam 25-1000 (qualitative only)* 

QC 10s not evaluated: Buprenorphine-qualifier peak cutting off, Fluoxetine QC -peak cutting off

Not evaluated: Norbuprenorphine

Batch results Calibration Last Update	D:\MassHunter\Data\2019\AM 9/11/2019 12:30:29 PM	28\091019 MDQ TS reinjects\Quai	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 12:30:29 PM
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco Sample MDQ P1 Combined 082219.m P2-D11 1 9/10/2019 1:37:49 PM	Data File Sample Operator Comment	p1 Negative. p1 Negative
+ TIC MRM (** -> **) p1 Negative.d (p1 Negative)	e.d (p1 Negative)		e
Col 1.75- 1.5-			
1.25- 1- 0.75-			
0.5-			
1.2 1.4 1.6	1.8 2 2.2 2.4 2.6	2.8 3 3.2 3.4 3.6 3	3.8 4 4.2 4.4 4.6 4.8 5 5.2 5.4 5.6 5.8 6 6.2 Acquisition Time (min)

Generated at 12:30 PM on 9/11/2019

1-

Batch results Calibration Last Update	D:\MassHum 9/11/2019 1	D:\MassHunter\Data\2019\AM	D:\/MassHunter\/Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wkist 3645 TS.batch.bin 9/11/2019 11:38:29 AM	einjects\QuantRest	ults\MDQ wklst 3645	5 TS.batch.bin		
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco QC MDQ P1 Combined 082219.m P2-H11 1 9/10/2019 11:42:45 AM	ed 082219.m 2:45 AM	Data File Sample Operator Comment		p1 QC 10.d p1 QC 10			
<b>Sample Chromatogram</b> + TIC MRM (** -> **) p1 QC 10.4 (p1 QC 10)	l (p1 QC 10)	47 48			and a second			
Counts 1.75 1.25 0.75								
0.25-		$\sum$				5	$\sim$	
1.2 1.4 1.6	1.8 2 2.2	2.4 2.6	2.8 3 3.2 3.	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6	5.8 6 6.2 Acquisition Time (min)
Name	RT	Resp.	S/N	Ratio	s/N	ISTD Resp.		
6-MAM 7-aminorlonazenam	3.103 4.717	690 8178	4751.98 177.81	73.7 80.3	319.47 376.58	14648 34443	1.1080 ng/ml 10.2823 ng/ml	
a-hydroxyalprazolam	5.666	665 22720	55.68	80.9	112.67	3498		
alprazolam	5.742	18512	164.44	109.0	418.41	27766	10.6749 ng/ml	
Amphetamine Benzoylecgonine	3.034 3.840	39487 3408	1067.19 855.99	55.7 7.7	258.44 204.10	43005 6443	10.1844 ng/ml 12.7303 ng/ml	
Buprenorphine	5,692 4 752	1205	4.45 Low		20.65	3356 45705	o 7107 no/ml	CC not evaluated.
Carisoprodol	5.705	14586	569.92	57.1	62.01	70474		
Citalopram	5,195	8672	167.29	42.6	327.03	39880		
Clonazepam	5.579 4 230	1796 36675	508.86 414 88	30.2 44 8	1945.29 2001 92	3147 299326	10.1609 ng/ml 9.8715 ng/ml	
Codeine	2.529	5390	8	113.0	305.60	25395		
Cyclobenzaprine	5.603	2998	281.19	11.2	17.47 FOE FO	11606	11.5541 ng/ml	
Dextrorphan	4.086	8739	2390.43	202.8	677.69	107959	10.3553 ng/ml	
Diazenam	E 0.24							

AM	1 #28	Multi-		Drug Q	uant	Re	Quant.Results 🔇	
Name	RT	Resp.	S/N	Ratio	s/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.501	15113	645.22	64.7	1144.75	85048	10.4124 ng/ml	
Diphenhydramine	5.265	19382	353.60	30.9	562.96	125758	10.5017 ng/ml	
Doxylamine	4.494	72541	86839.44	100.4	357.85	323549	9.6168 ng/ml	
EDDP	5.216	15686	2396.06	40.7	438.70	82031	10.3380 ng/ml	
Fentanyl	5.052	329	13.38	80.9	8	13957	1.3239 ng/ml	•
Fluoxetine		- 3538				11529	12.6222 ng/mi QC not evaluated D	Jaluater D
Hydrocodone	2.978	12118	353.11	37.1	109.14	75412		•
Hydromorphone	1.587	9615	684.28	74,7	331.59	35871		
Ketamine	4.006	36119	11595.84	37.8	568.30	160321	lm/gn	
Lamotrigine	4.261	2683	251.15	77.9	1863.80	160321	lm/gn	
Lorazepam	- 5,720	504	13.83		0.60 Low			L' L Valor
Meprobamate	4.881	3292	119.56	29.2	109.41	16807	9.5729 ng/ml	e la
Methadone	5.634	7564	109.59	54.0	74.39	34727	lm/gn	}
Methamphetamine	3.195	25073	88.02	41.7	84.72	84480	10.9517 ng/ml	
Metoprolol	4.292	9088	8	94.7	1035.23	428752	9.4227 ng/ml	
Mirtazapine	4.569	12469	961.60	50.4	1535.31	151717	3.9292 ng/ml	
Mitragynine	5.173	782	1868.57	40.1	8	34727		
Morphine	1.233	1690	1289.20	21.4	404.52	2221	9.8483 ng/ml	
Nordiazepam	5.874	2513	8829.90	57.6	126.07	7025		
Norfentanyl	4.054	5023	406.59	38.8	72.97	234430		
Norhydrocodone	3.032	337	8	24.3	1348.22	18070	9.2324 ng/ml	
Noroxycodone	2.876	7836	198.50	46.9	140.99	24029		
O-desmethyl-tramadol	3.334	99826	8344.73	6.0	742.70	509536	ng/ml	
Oxazepam	5.723	623				4215	O-tw/ba	ر ا ا
Oxycodone	2.787	24626	369.29	30.7	460.15	111061	lm/gu	
Oxymorphone	1.390	6113	390.97	44.1	313.63	22252	lm/gn	
Phentermine	3.758	9385	46.74	3.1	16.21	104711		
Promethazine	5.513	5496	546.50	33.7	56.65	21343		
Quetiapine	5.503	13611	529.40	54.3	12078.40	16481		
Sertraline	5.763	1909	76.42	106.2	66.39	6688		
Temazepam	5.797	7866	137.30	31.3	9.16 Low	42337		
Tramadol	4.206	88750	871.75	3.4	454.39	428752		
Trazodone	5.045	8276	4379.33	77.1	18493.04	32333		
Venlafaxine	5.007	53398	10530.43	35.6	336.11	267074		
Zolpidem	4.804	74629	2988.44	32.7	875.01	355707	10.1503 ng/ml	

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p1 QC 10

Batch results Calibration Last Update	D:\MassHunte 9/11/2019 11	er\Data\2019\AM 2 :38:29 AM	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	einjects\QuantResu	lts\MDQ wklst 3645	TS.batch.bin			
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco QC MDQ P1 Combined 082219.m P2-G11 1 9/10/2019 12:03:39 PM	d 082219.m 39 PM	Data File Sample Operator Comment		p1 QC 100.d p1 QC 100				
Sample Chromatogram									
+ TIC MRM (** -> **) p1 AC 100.4 (p1 AC 100) 00 5- 4-	.d (p1 QC 100)								
- <u>-</u> <u>-</u> <u>-</u>		$\leq$		(		·		5	
1.2 1.6	5 1.8 2 2.2	2.4 2.6 2.8	8 3.2 3.4	4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6 A	5.8 6 6.2 Acquisition Time (min)	
Name 6-MAM	<b>RT</b> 3.103	<b>Resp.</b> 7645	<b>S/N</b> 536.67	<b>Ratio</b> 72.4	<b>S/N</b> 1543.30	ISTD Resp. 17984	Ξ.		
7-aminoclonazepam	4.217 5 666	87832 7120	1684.44 186 34	82.2 67 6	211.41	39557 4348	102.5506 ng/ml 93.8434 ng/ml		
alpha-PVP	4.330	341556	1658.61	47.0	1531.33	157714			
Alprazolam Amphetamine	5./49 3.034	309090	3660.98	55.9	3379.42	36607			
Benzoylecgonine Bunrenornhine	3.840 5.699	42313 1235	731.93 1008.97	7.5 16.4	838.67 1129.12	7981 3795	134.0498 ng/ml 11.4957 ng/ml		
Bupropion	4.752	118380	21038.09	58.2	2638.85	45856 87637			
Citalopram	5.195	103990	323.23	44.0	8	50949			
Clonazepam	5.579 4 730	21984 389825	964.61 24874.40	32.2 43.5	555.41 18971.65	4127 324438	95.6979 ng/ml 94.9337 ng/ml		
Codeine	2.529	59313	822.44	107.1	2772.62	28115			
Cyclobenzaprine Dextromethornhan	5,603 5,224	42568 38028	193782.32 2702.18	11.9 81.8	307.24 3634.93	19704 17250	97.2306 ng/ml 103.1656 ng/ml		
Dextrorphan Diazenam	4.086 5.934	85896 143525	10055.55 5824.25	201.2 86.7	8801.17 3178.58	109415 69341	103.1088 ng/ml 100.9804 ng/ml	$\bigwedge$	
p1 QC 100				Page 1 of 2			Generated at 11:	Generated at 11:50 AM on 9/11/2019	<u>~</u>



Name	RT	Resn.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2 501	171096	6990 89	66.6	1855.01	100901	106.8405 na/ml
Dinhenhydramine	5.265	193074	2957.74	31.7	586.17	136613	
Doxylamine	4,494	719778	28662.64	99.5	16071.56	331869	
EDDP	5.216	148345	23067.67	41.8	1475.51	83183	
Fentanyl	5.045	3878	500.06	68.6	8254.42	20499	10.4660 ng/ml
Fluoxetine	5.701	48236	2460.06	8.3	796.77	20671	98.9876 ng/ml
Hydrocodone	2.978	133619	340.13	37.4	3550.32	84801	103.9565 ng/ml
Hydromorphone	1.587	114291	1055.00	79,4	621.51	44864	96.4639 ng/ml
Ketamine	3.999	387202	23635.65	37.8	506.42	179083	
Lamotrigine	4.261	29811	5174.15	79.7	1151.80	179083	
Lorazepam	5.720	5656	232.59	52.6	9.28 Low	4127	
Meprobamate	4.881	38104	61727.29	27.2	4616.20	20207	
Methadone	5.634	88775	1310.29	52.6	490.10	42525	
Methamphetamine	3.195	182357	578.72	42.3	386.22	77291	
Metoprolo	4.292	93337	33380.93	93.5	7737.73	472014	
Mirtazapine	4.569	134444	46386.88	49.3	9035.04	157714	
Mitragynine	5.173	10016	7567.31	40,6	8913.38	42525	
Morphine	1.233	22253	785.76	20.1	291.43	2825	
Morbuprenorphine	4,949	75	107,76		198,00		- 1
Nordiazepam	5.874	27355	8	57.2	3016.95	8593	
Norfentanyl	4.054	55678	82715.61	36.5	698.97	262897	
Norhydrocodone	3.032	5373	219.99	29.2	234.03	21617	
Noroxycodone	2.876	87584	642.68	47.0	741.32	27936	
O-desmethyl-tramadol	3.334	1159055	35434.72	6.1	1545.36	609741	
Oxazepam	5.730	7519	45.73	67.9	24,12	4618	
Oxycodone	2.787	275729	3032.27	30.6	2420.63	128355	
Oxymorphone	1.383	66519	387.00	46.0	1152.48	25865	
Phentermine	3.758	81901	337.53	2.8	8	95872	_
Promethazine	5.513	80229	2865.97	29.5	457.49	37263	-
Quetiapine	5.503	162493	20394.66	55.9	354732.14	22105	104.9974 ng/ml
Sertraline	5.763	24467	660.47	95.5	342.08	12107	89.7902 ng/ml
Temazepam	5.797	18778	907.81	32.1	273.52	52031	104.3938 ng/ml
Tramadol	4.206	922720	4068.40	3.4	1531.34	472014	
Trazodone	5.045	105245	19040.74	74.6	13519.17	44286	
Venlafaxine	5.007	529710	2563.16	35,4	934.42	275584	_
Zolpidem	4.804	841193	54402,40	32.7	8	416217	100.8941 ng/ml

Generated at 11:50 AM on 9/11/2019

Batch results Calibration Last Update	D:\MassHi 9/11/2019	D:\MassHunter\Data\2019\AM 9/11/2019 11:38:29 AM	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	einjects\QuantRes	ults\MDQ wklst 3645	5 TS.batch.bin		
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco QC MDQ P1 Combined 0822 P2-F11 1 9/10/2019 12:24:34 PM	Falco QC MDQ P1 Combined 082219.m P2-F11 1 9/10/2019 12:24:34 PM	Data File Sample Operator Comment		p1 QC 250.d p1 QC 250			
Sample Chromatogram								
+ TIC MRM (** -> **) p1 QC 250.4 (p1 QC 250)	50.d (p1 QC 250)		THE DIST A DIST A DIST A DIST A DIST A DIST.         THE DIST A DIST A DIST A DIST.					
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1.2		2.2 2.4 2.6	2.8 3 3.2 3	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6 5.8 Acquisit	5.8 6 6.2 Acquisition Time (min)
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM	3.103	21076	598.87	74.2	8	19147		
7-aminoclonazepam a-hvdrovvalnrazolam	4.217 5 666	192860 17790	5659.86 474 35	80.9 68.7	721.42	35395	252.7703 ng/ml 255.2474 ng/ml	
alpha-PVP	4.330	987985	4118.90	48.3	32413.22	182627		
Alprazolam	5.749	465608	3266.48	108.1	4169.70	59807		
Amphetamine	3.028 2.040	812522	10102.08	55.8	6487.00 264 26	39642 7451	249.2134 ng/ml	ng/ml Aside survervance. D
Buprenorphine	5.692	2540	186.88	17.1	1047.58	3789	1.	0
Bupropion	4.752	325715	1502.68	57.7	28040.15	49692		
Carisoprodol	5.705	376426	2723.28	56.2	616.16	74633		
Citalopram Clonazenam	5.195 5.770	253509 54675	617.75 2803 62	44.0 32 1	643.14 58404 02	49371 4174	245.8722 ng/ml	
Cocaine	4.230	1073810	134388.60	44.4	1 8	351857		
Codeine	2.529	145532	7952.40	105.6	1167.81	27214		
Cyclobenzaprine	5.603	80701	259921.40	11.9	412.07	15228		
Dextromethorphan	5.224	90314	8 9	83.9	175477.64	16779		
Dextrorpnan Diazenam	4.U86 5.934	246U31 333972	/4.38.49 724.29	206.3 88.6	60.0922 ∞	125284 64149	258.3856 ng/ml 254.5120 na/ml	/
p1 OC 250					:			

																	2 Course dama			Not explored to																	
Einel Cond	Final Conc.	259.8289 ng/ml	247.1881 ng/ml	250.8386 ng/ml	248.6237 ng/ml	25.6584 ng/ml		253.6440 ng/ml	247.7285 ng/ml	255.9022 ng/ml	269.4337 ng/ml	212.2398 ng/ml	250.3318 ng/ml	242.9589 ng/ml	251.7326 ng/ml		<u>124.1116 - ng/ml.ce.ufs.vlc</u>		ng/ml	-20.7995_ng/mL_N_AF	lm/gn							250.2708 ng/ml	254.1010 ng/ml	241.2506 ng/ml	278.7486 ng/ml		257.3732 ng/ml	268.1184 ng/ml	235.9782 ng/ml	251.1382 ng/ml	258.9167 ng/ml
TCTD DATE	TSID Kesp.	102922	151673	407166	94428	16883	13593	92315	42064	189635	189635	4174	19304	42699	94621	511682	182627	42699	2756	327	8482	289392	25563	29092	615059	4601	134526	24304	113690	29010	21442	7962	51085	511682	41350	331719	427662
N/ 3	2/2	5743.76	14531.49	127427.05	13358.87	24899.53	8	8	1876.36	1839.16	4858.66	49.81	4821.87	13609.96	1237.11	7933.23	9196.15	60840.51	236.90		931.63	2564.00	166.06	891.41	1675.67	52.36	2338.59	8	173.81	1379.50	1039517.1 0	437.85	580.10	2995.94	243613.82	1773.34	87867.52
Datio	Katio	66.4	31.7	99.2	41.6	70.4	8.5	39.4	75.5	38.2	80.8	56.5	26.8	53.2	42.8	93.0		36.4	20.6	0.66	56.6	37.1	28.4	46.4	6.3	66.4	30.4	47.1	2.6	30.1	53.9	93.1	32.2	3.5	75.3	35.8	32.5
C /N	N/S	41197.28	927.07	200186.67	7190.39	8257.14	691.89	8	850.72	59492.42	3429.45	912.33	59967.50	98138.69	2115.93	8	98519.93	44562.57	820.02	634.51	31049.38	23626.13	8	2262.75	99026.10	138.69	3090.74	1505.10	1360.25	754.89	5503.40	1512.52	1961.07	12341.01	28214.54	4683.27	58273.20
Deen	Kesp.	422391	543502	2270462	430566	7841	78594	353932	274675	1018645	75123	13556	93170	211905	557456	257677	366779	25484	51548	127	66812	155519	20490	233468	2952368	17848	724241	160708	236983	150698	417733	40209	236403	2497482	254418	1611271	2213219
DT	R	2.501	5.265	4.494	5.216	5.045	5.695	2.971	1.587	4,006	4.261	5.720	4.881	5.634	3.195	4.292	4.569	5.173	1.233		5.874	4.054	3.032	2.876	3.334	5.730	2.787	1.383	3.758	5.513	5.503	5,763	5.797	4,206	5.045	5.007	4,804
omen	Name	Dihydrocodeine	Diphenhydramine	Doxylamine	EDDP	Fentanyl	Fluoxetine	Hydrocodone	Hydromorphone	Ketamine	Lamotrigine	Lorazepam	Meprobamate	Methadone	Methamphetamine	Metoprolol	Mirtazaoine	Mitragynine	Morphine	Norhuprenorphine	Nordiazepam	Norfentanyl	Norhydrocodone	Noroxycodone	O-desmethyl-tramadol	Oxazepam	Oxycodone	Oxymorphone	Phentermine	Promethazine	Quetiapine	Sertraline	Temazepam	Tramadol	Trazodone	Venlafaxine	Zolpidem

p1 QC 250

Page 2 of 2

Generated at 11:50 AM on 9/11/2019

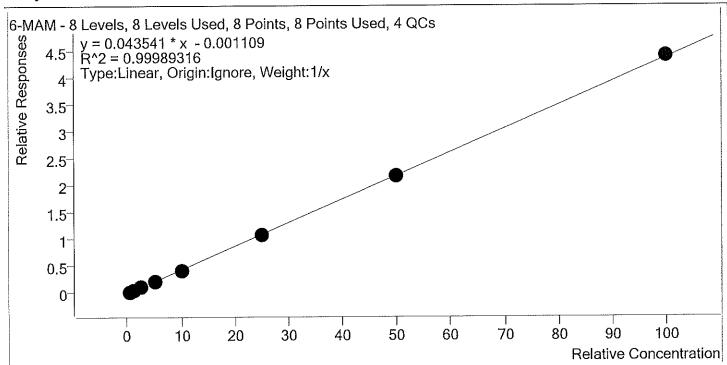
Batch results Calibration Last Update	D:\MassH 9/11/2019	D:\MassHunter\Data\2019\AM 28\091019 MDQ 9/11/2019 11:38:29 AM	1 28\091019 MDQ TS	reinjects\QuantRes	TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin	TS.batch.bin			
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco QC MDQ P1 Combined 0822 P2-E11 1 9/10/2019 12:45:29 PM	Falco OC MDQ P1 Combined 082219.m P2-E11 1 9/10/2019 12:45:29 PM	Data File Sample Operator Comment		p1 QC 1000.d p1 QC 1000				
Sample Chromatogram + TIC MRM (** -> **) p1 QC 1000.d (p1 QC 1000)	00.d (p1 QC 1000)								
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→ →		<		(				M N	
1:2	1.6 1.8 2	2.2 2.4 2.6	2.8 3 3.2 3	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5	5.6 5.8 6 6.2 Acquisition Time (min)	
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.		ŭ	
6-MAM	3.103	85106	677.34	74.2		19594 25100	99.7839 ng/ml	m Tu	
7-aminoclonazepam	4.224 5.666	458622 67416	719437	70.4	2/142.55 611.76	3987			
a-riyuroxyaiprazulari alpha-PVP	J.000 4.330	3711238	69190.34	49.0	2376.16	171640		ļ,	
Alprazolam	5.749	1420569	8	107.9	3519.31	43665			
Amphetamine	3.028 3.840	2102326 773393	22614./9 060 34	0.66	34953.62 18018-32	20440	101/01 1005.400 1850.5836 ng/ml	III outside care raige 73	51 - Jun
Buprenorphine	5.692	9853	466.14	14.8	3762.49	4803		ng/ml Curlside cuive range.	solog.
Bupropion	4.752	1402786	4991.41	57.9	1500.25	54009		[m]	,
Carisoprodol	5.705	1117858	2394.89 1021 2E	55.3 42 1	641.19 4127 51	56129 67818	1000-0449 ng/ml	III.	
Citalopram Clonazenam	5.195 5 579	141/1U9 223935	C2-1031.37	31.9 31.9	80 TC:/7TL	4241		ml m	
Cocaine	4.230	3576787	228106.53	44.2	430123.24	287749		lm'	
Codeine	2.529	452471	3554.88	104.2	20619.96	21219		[m,	
Cyclobenzaprine	5.603	651758 E26607	1669016.67 5786 58	11.8 87.7	1452.11 2054 94	23434 24900	101/01 0220,788 994.0705 ng/m		
Dextrorphan	4.093	889744		206.7	2081.55	113758		, mi	4
Diazenam				010		02000	020 6206 no/ml	E	/

Mate         5/1         Rate         5/1         Rate         6/1         Conc           Delanychaline         2.36         959/31         107/32         102/32         102/32         104/401         000           Delanychaline         2.36         959/31         107/31         20         102/32         959/33         101           Delanychaline         2.36         959/31         101/31         20         959/33         101/41         100           Delanychaline         2.06         575/37         94/41         68/15.30         101/32         959/39         101           Delanychaline         2.06         575/31         94/41         68/15.30         101/32         959/39         101           Hononchine         2.06         575/31         94/10         76/13         95/13<	AN	AM #28 Multi-	Mu	2	Drug (	Quant.		Results (	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
5.265         2036/71         9672-912         32.0         153.35         199664         1014,803           5.247         2005777         97484.17         26,6         0         47278         92.9895           5.247         257477         1024401.7         76,9         187.7         24.778         94.065           5.5045         55745         339.99         74.4         681.23.30         25.769         196.2005           5.5045         55747         97484.17         72.9         147.50         383.70         992.9855           5.5045         55747         133021         20.5         357.67         97.032         94.0357           5.5045         55747         1330521         245.5         57.57         147.64         77.44           5.7201         57.510         1036404         75.5         147.64         77.44         90.66583           5.517         1367803         239556         52.1         314.09         96.1056         90.65659         90.65683           5.517         1367803         239516         52.4         314.09         96.65699         90.5724         197.440         77.41.90           5.123         13167803         23465.5         24.65<	je	2.501	1368113	101748.93	67.8	19529.97	102817		
4.494         975/478         1021401.71         96.6 $\infty$ 4.427         812.00         4.427         812.00         4.427         812.00         4.427         812.00         4.427         812.00         4.66853         2.74178         955.665         2.50751         974.035         974.035         2.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.205         5.6784         108.206         5.6685         5.6685         5.6685         5.6685         5.6685         5.6685         5.6685         5.6667         5.66675         5.66675	nine	5.265	2936071	96729.12	32.0	1633.25	199664		
5.216         5.56677         9748.13         4.2.7         819.00         140.022         5.791.35         5.7703           5.6045         5.5045         5.7955         97(1)         339.99         7.4         6812.330         26784         108.2005           5.6045         5.5045         5.7955         97(1) $\infty$ 9.9         952.975           5.6045         5.5045         5.7355         97(1) $\infty$ 9.946         952.965           5.6045         5.5735         9.7051         1.180.66         82.0         1267.50         31350-41         955.955           5.725         5.725         1.180.66         5.21         51.757         1478.47         9339.66           5.726         1.367.903         2346.75         5.66         57.15         51.757         964.90         966.833           5.726         1.367.903         2346.75         5.66         37.16         97.245         966.933           5.727         1.367.903         2346.75         5.66         37.16         97.245         969.133           5.728         1.367.91         1.367.91         1.367.93         1.367.93         97.945         97.945           5.173         1.3		4.494	9757478	1021401.71	96.6	8	442728		
5.045         5.242         399.9         7.4         6612.3.0 $2.6784$ 108.000           2.971         1330521 $\infty$ 39.0 $\infty$ 39.0 $\infty$ 39.18370         966.6853           2.971         1330521 $\infty$ 39.0 $\infty$ 39.0 $\infty$ 956.0563           2.971         1330521 $\infty$ 39.0 $\infty$ 39.0 $\infty$ 39.183771         956.6563           4.006         3667104         206434         3130621 $\infty$ 39.0 $0.656.6533737$ 956.6563           5.720         3469.46         232.9350         49395.66         82.0         54.602.34         183.041         837.767           5.720         3469.46         24.602.34         318.779         949.403         933.767           5.720         3469.46         24.602.34         318.774         986.973         956.403           5.721         349.51         245.5         246.02         44.94.702         969.403           5.133         187.74         987.75         97.74         989.403         957.743           5.133         187.74         987.75         967.75 <td></td> <td>5.216</td> <td>2505277</td> <td>97484.13</td> <td>42.7</td> <td>819.00</td> <td>140282</td> <td></td> <td></td>		5.216	2505277	97484.13	42.7	819.00	140282		
5.695         55795         847.61 $8.7$ $6791.35$ $24178$ 982.982           1.307         1330521 $\infty$ 730         1267.50         918570         956.865           1.507         1330521 $\infty$ 730         131.87         955.665           4.006         557.10         1305.21         311.87         918570         956.865           4.261         239935.66         52.1         311.87         924.941         959.766           5.720         55.84         156.86         52.1         311.87         928.9376           5.454         157.803         193.944         6485.46         43.5         57.52         94.907         918.3776           5.454         157.803         193.944         6485.46         43.5         57.52         94.907         918.3776           5.173         194.66         132.66         314.03         56.665         97.724         104.703           5.173         164763         214483.56         37.4         97.84         918.3776           5.173         164763         214483.56         37.4         918.4702         918.1076           5.173         164763         214483.56 <td></td> <td>5.045</td> <td>52492</td> <td>399.99</td> <td>74.4</td> <td>68123.30</td> <td>26784</td> <td></td> <td></td>		5.045	52492	399.99	74.4	68123.30	26784		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		5.695	557955	847.61	8.7	6791.35	24178		
1.567         977019 $\infty$ 75.9         1.257,50         33370         9656353           4.261         23935.66         82.0         3460.44         37.7         1478.43         1830.44         935.766           5.720         3567164         20643.44         37.7         1478.43         1830.44         955.56           5.720         356710         1180.66         23495.75         256.6         31.40.99         6837.49         993.430           4.567         1367041         556.655         3140.99         597.52         1842.49         993.490           5.157         1393494         6485.46         43.5         975.7.57         9649.79         913.377           5.157         1393494         6485.46         43.5         975.7.57         9649.79         93.377           6.157         1364763         2343.55         37.0         10816.77         677.24         993.437           6.157         164763         21483.55         37.0         10816.77         675.14         93.03.745           6.157         157.54         1367.65         577.54         1044.70.28         93.07.45         103.67.43           1.233         1164763         2435.11         245		2.971	1330521	8	39.0	8	91850		
4,206 $3667164$ $20643.44$ $37.7$ $1478.43$ $183041$ $955.7567$ $5,720$ $57510$ $19395.66$ $52.1$ $311.87$ $42441$ $905.8657$ $5,720$ $57510$ $13086.66$ $57.1$ $311.87$ $42441$ $905.867$ $5,634$ $1367803$ $2932.16$ $575.55$ $314.97$ $9767.72$ $918.3776$ $5,634$ $1367803$ $2932.16$ $52.5$ $314.09$ $64747$ $918.3776$ $5,173$ $164753$ $2485.46$ $43.5$ $9757.57$ $90497$ $918.3776$ $5,173$ $1647535$ $247316$ $64.56$ $37.4$ $1044.702$ $5,173$ $1647635$ $3774$ $1044.702$ $91440$ $912.904$ $4.054$ $5874$ $247316$ $64.56$ $3774$ $1047.702$ $4.054$ $24736$ $1044.702$ $1044.702$ $1044.702$ $5173$ $10546$ $5730$ $10496$ $974.352$	one	1.587	977019	8	75.9	1267.50	38370		
4.261         229930         4935.66         82.0         5460.24         133041         893.727           5.772         37510         1180.66         575.52         18424         906.1667           4.881         346994         24935.66         575.5         18424         908.1833           5.634         1367803         2.932.16         52.5         3140.99         67724         908.1833           5.634         1367803         2.932.16         52.5         3140.99         667724         908.1376           6.774         1367803         2.932.16         52.5         37.0         1180.66         772.4         908.1376           5.173         164763         21488.36         57.5         1144.7028         903.246           5.173         164763         21488.36         20.9         111.17         26.7         104.7028           5.173         180340         287712         21483.356         67.14         206.551         105.574           4.950         78611         217.060         21483.356         27.106         27.24         104.7028           5.173         180.40         24821         117.0852         246.5         27.74         104.7028 <td< td=""><td></td><td>4.006</td><td>3667164</td><td>20643.44</td><td>37.7</td><td>1478.43</td><td>183041</td><td></td><td></td></td<>		4.006	3667164	20643.44	37.7	1478.43	183041		
5720         5731         118/1         211.87         4.241         906.867           5.634         1367003         23495.75         22495.75         18474         975.49         975.49         976.490           5.634         1367003         23495.75         22495.75         9747         998.490           5.634         1367003         23495.46         43.5         975.75         90497         918.3776           6.63         136703         23957.46         43.5         975.757         90497         918.3776           6.1723         1164763         21483.56         37.0         10806.24         67724         998.480           5.173         164763         21483.56         37.0         10806.24         67724         918.376           5.173         164763         21483.56         37.0         10806.24         67724         914.47028           5.173         164763         21483.56         37.0         10806.24         67724         914.47028           3.032         587.11         0.016         276.46         92.65         944.7028         944.7028           3.0333         18.00.46         57.74         104.7028         944.7028         944.7028         944.7028 <td></td> <td>4.261</td> <td>239930</td> <td>49395.66</td> <td>82.0</td> <td>54602.34</td> <td>183041</td> <td></td> <td></td>		4.261	239930	49395.66	82.0	54602.34	183041		
4.881         346349         2245.75         26.6         575.25         182.4         978.400           7.315         1357.87         136343         2332.16         5.2.5         3140.99         677.45         981.837           7.315         1393494         648.5         95.3         95.7.57         90497         918.376           7.315         1393494         648.5         95.7.57         90497         918.376           5.173         154763         214483.56         37.0         10806.24         07.74         104.7028           5.173         164763         214483.56         37.0         10806.24         07.74         104.7028           5.173         180340         587.15         2041         31.33         103.6574         07.128           4.054         6784         32.54         1060.06         291.201         07.148           3.334         1043257         2394.65         37.4         1060.06         102.6501           3.334         1043257         2394.65         37.4         1060.06         291.55         103.5554           3.333         10433575         2394.65         37.4         1060.06         291.55         103.5564           3.730<		5.720	57510	1180.68	52.1	311.87	4241		
5.634         1367803         232.16         52.5         3140.99         67724         989.1833 $-122$ $77744$ 983.137         9757.57         9757.57         9747.47         983.137 $-122$ $77744$ 648.546         43.5         9757.57         9749.7         984.870 $-1233$ $164763$ $214483.56$ 37.0 $10806.24$ 67724 $904.8700$ $-14560$ $213774$ $0816.24$ $377.24$ $1084.7028$ $916.524$ $772.41$ $904.7724$ $-14560$ $103740$ $213774$ $0816.24$ $0715.41$ $084.7028$ $-14560$ $103740$ $12871.44$ $0816.24$ $377.24$ $1044.1028$ $-1456$ $7724$ $1171.082$ $377.86$ $1060.06$ $29925$ $102.7767$ $-1456$ $1043575$ $2393.46$ $104.108$ $377.86$ $102.20047$ $102.20169$ $3.334$ $10433575$ $2392.443$ $1060.06$ $29125$ $992.5103.554$ $1022.0169$ $1023.766$ $1023.766$ <t< td=""><td>ė</td><td>4.881</td><td>346949</td><td>23495.75</td><td>26.6</td><td>575.25</td><td>18424</td><td></td><td></td></t<>	ė	4.881	346949	23495.75	26.6	575.25	18424		
1.15 $1934944$ $6485.46$ $43.5$ $9757.57$ $90497$ $918.3776$ $1.222$ $1.5744$ $6485.46$ $43.5$ $9757.57$ $90497$ $918.3770$ $1.223$ $1.5744$ $2.877.16$ $37.0$ $10806.24$ $67633$ $171640$ $766.1399$ $5.173$ $164753$ $2872.19$ $20.9$ $11811.37$ $2652$ $377.44$ $1044.7028$ $1.233$ $180140$ $5872.19$ $20.9$ $11811.37$ $2621$ $392.145$ $252745$ $4.054$ $5872.19$ $20.9$ $11611.37$ $2621$ $392.1245$ $4.054$ $242312$ $4191.10$ $56.5$ $373.88$ $693.5107$ $5.022$ $1043375$ $22932.68$ $312.64$ $27946$ $943.5107$ $3.337$ $6706.06$ $71.4$ $27865.56$ $544.1302$ $1014.3325$ $3.022$ $1043375$ $22932.86$ $10133375$ $1024.067$ $1032.6040$ $5.730$ $9531.68$		5.634	1367803	2932.16	52.5	3140.99	67724		
4.202         75/445 $(4806)$ 66069         60050 $(4806)$ 76649         76649         76649         766440         77540         77541         77541         77541         77541         76647         765139         75724         103602.45         75734         10447028         7664         765139         2651         230802.65         75734         10447028         7651         2302.745         2561         2302.7176         2302.7176         2302.7176         2302.7176         2302.7176         2302.7176	amine	3.195	1934944	6485.46	43.5	9757.57	90497		
4.560         2138373         967106:95         49.4         30802.65         171640         776.1369           5.173         164763         21483.56         37.0         10816.24         67724         104.7028           1.233         164763         5872.19         587.21         930.245         930.245           4.956         5.874         242312         4191.10         56.5         37.3         10816.57         502         103.6534           4.054         67784         1060.06         56.5         37.3         1361.68         930.245           5.874         242312         4191.10         56.5         37.3         1060.06         299155         103.6534           4.054         6.405         37.4         1060.06         229155         103.6534         941.1302           3.334         1043357         25233.63         6.4         2738.56         943.1302           5.730         6774         1043357         25233.56         944.1302         103.6551           3.335         5730         6778         1043.357         337.66         27391         1025.690           5.730         67816         103.033.8         30.4         35.56         944.160         102		4.292	757415	8		8	468050		CURENOS. D
5.173         164763         21483.56         37.0         10806.24         67724         1044.7028         ng/mi           4         1.233         1803-40         5872.19         20.9         1811.37         2621         930.2745         ng/mi           4         0.564         2.872.19         56.5         37.44         1060.06         581.2728         991.14         242.12         103.5534         ng/mi         Alch         eccluc.led.           5.874         10724         5736         939.14         24821         117.0882         ng/mi         Alch         eccluc.led.           3.032         94400         1932.96         3.74         1060.06         2991.55         103.5534         ng/mi         Alch         eccluc.led.           2.730         5.730         94402         117.0882         377.45         107.5534         ng/mi         Alch         eccluc.led.           2.730         5.730         94482         237.554         07         107.1082         ng/mi         Alch         eccluc.led.           3.738         59167         2.0591.10         71.14         432.52         24865         954.100         m/mi         120.101         107.4532         ng/mi         120.520		4.569	2138373			30802.63		1	Coulde Coulor
1.233         180340         5872.19         2.0.9         1811.37         2.621         930.2745 $ng/m$ 5.874         2.4332         1241.10         56.5         2164.33         299.15         102.7756 $ng/m$ $Net$ e-colucated.           5.874         2.4231         4191.10         56.5         2184.33         802.14 $ng/m$ $Net$ e-colucated.           5.876         5.873         5.833.58         37.5         2991.55         103.6574 $ng/m$ $Net$ e-colucated.           3.032         94400         1923.06         1933.55         5.730         599.15         103.6594 $ng/m$ $Net$ e-colucated.           3.032         94402         1923.48         3.25.68         54576         545796 $ng/m$ $Net$ e-colucated.           3.33         5533         50340         71.4         238556         545796 $ng/m$ $Net$ e-colucated.           3.33         5513         5032.510         76670         71.4         432.55 $103.6594$ $974.3520$ $90/m$ 3.7563         25513         122069         65701		5.173	164763	214483.56	37.0	10806.24	67724	lm/gn	
4.956         775         1261.14         91.6         2164.54         395         105.1288         ngml         Act         c-caluation           5.874         247312         4191.10         56.5         3738.36         8022         102.2.716         ngml         MOL         c-caluation           5.874         5.874         5.873         94300         1923.046         32.5         337.68         5.55         105.176         ngml         MOL         c-caluation           3.052         04400         1923.045         32.5         989.14         24821         10120.6919         ngml           3.037         6.4         27886.56         54575         25332.66         ngml         MOL         c-caluation           2.7730         0743575         252332.63         30.1         71.4         432.52         1171.0882         ngml           3.334         10433575         25393.80         30.4         3335.86         1020.6919         ngml           3.7780         0743357         25332.65         55332.566         ngml         71.4         432.55         10668         97.4550         ngml         71.4         24502         913.650         ngml         71.550         ngml         55503 </td <td></td> <td>1.233</td> <td>180340</td> <td>5872.19</td> <td>20.9</td> <td>1811.37</td> <td>2621</td> <td>ng/ml</td> <td></td>		1.233	180340	5872.19	20.9	1811.37	2621	ng/ml	
5.874 $242312$ 4191.10         56.5 $3738.36$ $8022$ $1022.7176$ $\eta m$ 4.054 $674888$ $8833.58$ $37.4$ $1060.06$ $299155$ $103.6534$ $\eta m$ $4.05$ $674888$ $8833.58$ $32.5$ $989.14$ $24821$ $117.10882$ $\eta m$ $2.373$ $644021$ $2929.04$ $32.5$ $989.14$ $27826$ $2944.00$ $107.10827$ $\eta m$ $3.374$ $1043375$ $25392.65$ $64.4$ $2788.66$ $107.10.6827$ $\eta m$ $5.730$ $67819$ $2094.10$ $71.4$ $432.552$ $945.107$ $\eta m$ $5.730$ $5730$ $5094.10$ $71.4$ $432.552$ $945.640$ $\eta m$ $3.758$ $5730$ $973.5640$ $\eta m$ $9546.100$ $\eta m$ $\eta m$ $3.758$ $7503$ $974.529$ $\eta m$ $\eta m$ $\eta m$ $5.763$ $27657$ $1159.41.0$ $92.4$ $293781.8.3$ $974.5252.0$	phine	4.956	775	1261.44		2164.54		nq/m	
4.054         67488         86833.58         37.4         10600.06         299155         103.6534           ne         3.022         94400         1929.04         32.5         989.14         24821         1171.0882           a         3.032         840821         233.485         54.5         337.68         24821         1171.0882           a         3.032         840821         233.48         10433575         252932.63         6.4         27865         547796         102.6919           5.730         67819         10343375         252932.63         6.4         23859.86         943.5107         1032.504           5.730         578800         1803.30         30.4         3859.86.56         54779         913.6617         102.4658           1.383         591.667         5984.58         2.64         293778         890.0352           5.513         1272609         6529.81         30.9         544.61         1054.24         890.0352           5.513         1.272609         6529.81         30.9         544.61         1054.24         890.0352           5.513         1.38677         894.58         3.09         974.3529         7         24959         974.3529		5.874	242312	4191.10	56.5	3738.36	8022	ng/m	
Ine $3.032$ 94400 $1929.04$ $32.5$ $989.14$ $24821$ $1171.0882$ imadel $3.334$ $10433575$ $2234.85$ $46.3$ $337.68$ $27945$ $954.1302$ imadel $3.334$ $10433575$ $22334.85$ $46.3$ $337.68$ $57796$ $1020.6919$ $5.730$ $67819$ $2094.10$ $71.4$ $432.55$ $545796$ $1020.6919$ $2.7780$ $57780$ $18033.80$ $30.4$ $385.9.86$ $102.5040$ $923.5040$ $2.7780$ $279467$ $18033.80$ $30.4$ $385.9.86$ $1020.5040$ $1023.5040$ $2.7780$ $2177609$ $65220.81$ $30.9$ $54450$ $914.6300$ $974.3529$ $5.503$ $2177609$ $6522.81$ $30.9$ $5405.01$ $914.6300$ $974.3529$ $5.763$ $237809$ $652.91$ $1109.41630$ $974.3529$ $1014.6300$ $5.573$ $25763$ $1159.41$ $92.4$ $2937818.8$ $974.3529$		4.054	674888	86833.58	37.4	10600.06	299155		
2.876 $840821$ $2934.85$ $46.3$ $337.68$ $27945$ $954.1302$ tramadol $3.334$ $10433575$ $252932.63$ $6.4$ $27786.56$ $545796$ $1020.6919$ $5.730$ $67819$ $2094.10$ $71.4$ $432.52$ $4668$ $943.5107$ $2.780$ $2785800$ $18033.80$ $30.4$ $3859.86$ $132047$ $1023.5040$ $2.780$ $2785800$ $18033.80$ $30.4$ $3859.86$ $132047$ $1023.5040$ $2.780$ $2.78800$ $18033.80$ $30.4$ $3859.86$ $132047$ $1023.5040$ $3.758$ $766702$ $5994.58$ $2.6$ $641.61$ $105424$ $880.0322$ $5.503$ $1272609$ $6529.81$ $30.9$ $5405.01$ $1026.6907$ $974.3529$ $5.513$ $1272609$ $6529.81$ $30.9$ $544.6101$ $105424$ $880.0322$ $5.503$ $2.5503$ $2.567.91$ $112961$ $1026.6967$ $974.3529$ <t< td=""><td>one</td><td>3.032</td><td>94400</td><td>1929.04</td><td>32.5</td><td>989.14</td><td>24821</td><td></td><td></td></t<>	one	3.032	94400	1929.04	32.5	989.14	24821		
tranadol3.33410433575252932.636.4 $2786.56$ $545796$ $1020.6919$ 5.730 $67819$ $2094.10$ $71.4$ $432.52$ $4668$ $943.5107$ 2.780 $2.780$ $2785800$ $18033.80$ $30.4$ $3359.86$ $1132047$ $1023.5040$ 2.780 $2.785800$ $18033.80$ $30.4$ $3359.86$ $1132047$ $1023.5040$ $3.758$ $591067$ $18033.80$ $30.4$ $355.66$ $24502$ $913.5561$ $3.758$ $766702$ $5984.58$ $2.6$ $641.61$ $10574$ $889.0352$ $5.513$ $1272609$ $6529.81$ $30.9$ $5405.01$ $58293$ $1014.6300$ $5.503$ $2380908$ $\infty$ $56.4$ $2937818.8$ $34989$ $974.3529$ $5.763$ $277677$ $1159.41$ $92.4$ $28554.95$ $1020.6919$ $974.3529$ $5.763$ $277677$ $1159.41$ $92.4$ $28554.95$ $1043.6825$ $5.763$ $277677$ $8976.14$ $31.5$ $4583.30$ $974.3529$ $6465$ $885777$ $8976.14$ $31.5$ $2501.66$ $47231$ $1043.6825$ $5.045$ $5.045$ $1788226$ $321709.60$ $76.6$ $6975625.9$ $64618$ $1052.352$ $6.076655.967$ $6374065$ $277377.04$ $34.9$ $108318.71$ $433863$ $971.28892$ $6.076657$ $63740657$ $249513.322$ $1014.83057$ $973.3899$ $1012.8892$ $6.076667$ $6374065$ $277377.04$ $34.9$ <t< td=""><td>e</td><td>2.876</td><td>840821</td><td>2934.85</td><td>46.3</td><td>337.68</td><td>27945</td><td></td><td></td></t<>	e	2.876	840821	2934.85	46.3	337.68	27945		
5.730 $67819$ $2094.10$ $71.4$ $432.52$ $4668$ $943.5107$ 2.780 $2780$ $18033.80$ $30.4$ $3859.86$ $132047$ $1023.5040$ 2.780 $591067$ $\infty$ $45.6$ $641.61$ $105424$ $880.0352$ $3.758$ $766702$ $5984.58$ $2.6$ $641.61$ $105424$ $880.0352$ $5.513$ $1272609$ $6529.81$ $30.9$ $5405.01$ $58293$ $1014.6300$ $5.503$ $2380908$ $\infty$ $56.4$ $2937818.8$ $34989$ $974.3529$ $5.797$ $885777$ $8976.14$ $31.5$ $4583.30$ $47231$ $1014.6300$ $5.797$ $885777$ $8976.14$ $31.5$ $4583.30$ $47231$ $1043.6825$ $5.797$ $885777$ $8976.14$ $31.5$ $4583.30$ $47231$ $1043.6825$ $5.797$ $8256386$ $220228.70$ $3.66$ $47231$ $1043.6825$ $6.445$ $1788226$ $327709.60$ $76.6$ $6975625.9$ $64618$ $1075.6325$ $971$	-tramadol	3.334	10433575	252932.63	6.4	27886.56	545796		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		5.730	67819	2094.10	71.4	432.52	4668		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		2.780	2785800	18033.80	30.4	3859.86	132047		
$3.758$ $766702$ $5984.58$ $2.6$ $641.61$ $105424$ $889.0352$ $5.513$ $1272609$ $6529.81$ $30.9$ $5405.01$ $58293$ $1014.6300$ $5.503$ $237818.8$ $34959$ $974.3529$ $974.3529$ $5.503$ $2380908$ $\infty$ $56.4$ $2937818.8$ $34989$ $974.3529$ $5.797$ $885777$ $8976.14$ $31.5$ $4583.30$ $47231$ $1045.625$ $5.797$ $885777$ $8976.14$ $31.5$ $4583.30$ $47231$ $1043.6825$ $4.206$ $8255386$ $2220228.70$ $3.6$ $2501.66$ $468050$ $971.2382$ $5.045$ $1788226$ $321709.60$ $76.6$ $6975625.9$ $64618$ $1055.7302$ $6.0765$ $6374065$ $277377.04$ $34.9$ $108318.71$ $325539$ $1012.8892$ $5.007$ $6374065$ $277377.04$ $34.9$ $108318.71$ $325539$ $1012.8892$ $4.804$ $8436967$ $349513.32$ $31.8$ $2750.31$ $433863$ $973.8999$	e	1.383	591067	8	45.6	8	24502		
5.51312726096529.8130.95405.01582931014.63005.5035.5032380908 $\infty$ 56.42937818.834989974.35295.76323765771159.4192.428554.95120011022.95265.7978857778976.1431.54583.30472311043.68254.2068256386220228.703.62501.66468050971.23825.0451788226321709.6076.66975625.9646181055.73025.0076374065277377.0434.9108318.713255391012.88924.8048436967349513.3231.82750.31433863973.8999		3.758	766702	5984.58	2.6	641.61	105424		
$\begin{array}{lclcccccccccccccccccccccccccccccccccc$	a	5.513	1272609	6529.81	30.9	5405.01	58293		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		5.503	2380908	8	56.4	2937818.8 7	34989		
885777       8976.14       31.5       4583.30       47231       1043.6825         8256386       220228.70       3.6       2501.66       468050       971.2382         1788226       321709.60       76.6       6975625.9       64618       1055.7302         6374065       277377.04       34.9       108318.71       325539       1012.8892         8436967       349513.32       31.8       2750.31       433863       973.8999		5.763	276677	1159.41	92.4	28554.95	12001		
8256386         220228.70         3.6         2501.66         468050         971.2382           1788226         321709.60         76.6         6975625.9         64618         1055.7302           6374065         277377.04         34.9         108318.71         325539         1012.8892           8436967         349513.32         31.8         2750.31         433863         973.8999		5.797	885777	8976.14	31.5	4583.30	47231		*-
1788226         321709.60         76.6         6975625.9         64618         1055.7302           6374065         277377.04         34.9         108318.71         325539         1012.8892           8436967         349513.32         31.8         2750.31         433863         973.8999		4,206	8256386	220228.70	3.6	2501.66	468050		
6 6374065 277377.04 34.9 108318.71 325539 1012.8892 8436967 349513.32 31.8 2750.31 433863 973.8999		5.045	1788226	321709.60	76.6	6975625.9	64618		
8436967 349513.32 31.8 2750.31 433863 973.8999		5.007	6374065	277377.04	34.9	b 108318 71	375539		
		4.804	8436967	349513.32	31.8	2750.31	433863		

Generated at 11:50 AM on 9/11/2019



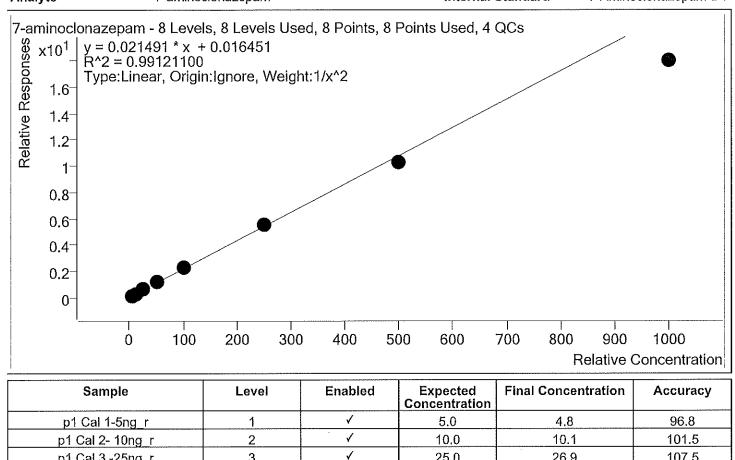
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Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	6-MAM	Internal Standard	6-MAM-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	0.5	0.5	106.6
p1 Cal 2- 10ng_r	2	1	1.0	1.0	98.9
p1 Cal 3 -25ng_r	3	1	2,5	2.5	99.4
p1 Cal 4-50ng	4	1	5.0	4.9	97.9
p1 Cal 5-100ng	5	1	10.0	9.8	98.0
p1 Cal 6-250ng	6	1	25.0	24.7	98.7
p1 Cal 7-500ng	7	1	50.0	49.9	99.7
p1 Cal 8-1000ng	8	1	100.0	100.8	100.8



Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD TS.batch.bin	Q TS reinjects\QuantResult	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	7-aminoclonazepam	Internal Standard	7-Aminoclonazepam-D4



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1

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25.0

50.0

100.0

250.0

500.0

1000.0

26.9

54.0

106.2

254.1

474.3

836.3

3

4

5

6

7

8

p1 Cal 3 -25ng\_r

p1 Cal 4-50ng

p1 Cal 5-100ng

p1 Cal 6-250ng

p1 Cal 7-500ng

p1 Cal 8-1000ng

107.5

108.0

106.2

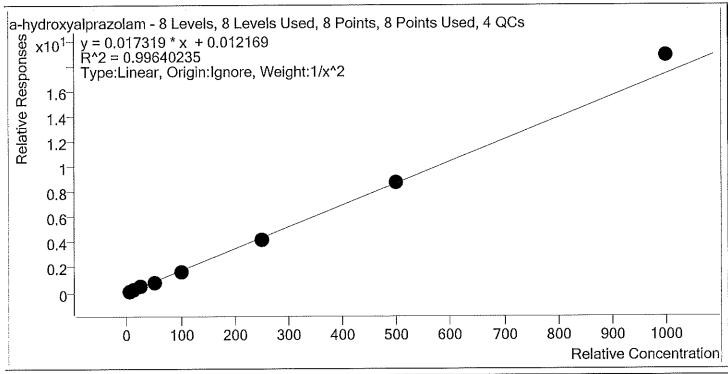
101.6

94.9

83.6



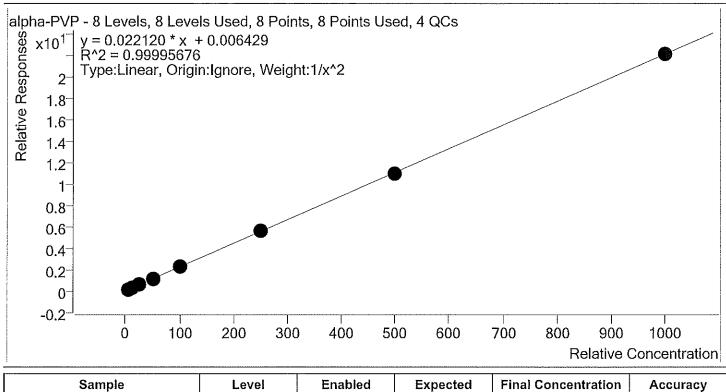
Batch results	D:\MassHunter\Data\2019\AM 28\091019 M TS.batch.bin	IDQ TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	a-hydroxyalprazolam	Internal Standard	a-hydroxyalprazolam- D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	4.9	97.7
p1 Cal 2- 10ng r	2	1	10.0	10.7	107.3
p1 Cal 3 -25ng r	3	1	25.0	24.1	96.5
p1 Cal 4-50ng	4	1	50.0	48.1	96.2
p1 Cal 5-100ng	5	1	100.0	94.7	94.7
p1 Cal 6-250ng	6	1	250.0	244.8	97.9
p1 Cal 7-500ng	7	1	500.0	505.8	101.2
p1 Cal 8-1000ng	8	1	1000.0	1084.6	108.5



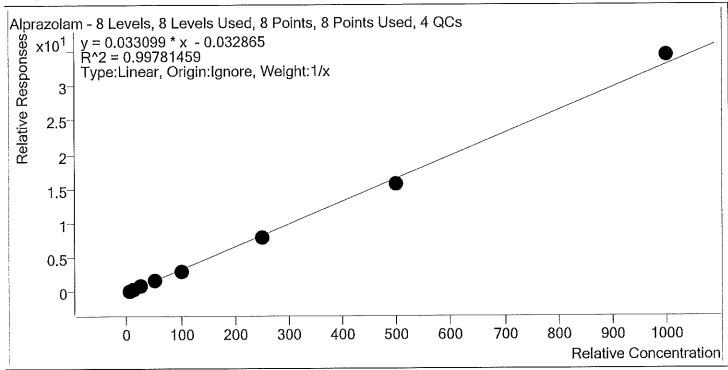
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	alpha-PVP	Internal Standard	alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	100.2
p1 Cal 2- 10ng_r	2	1	10.0	9.9	99.4
p1 Cal 3 -25ng r	3	1	25.0	25.0	100.2
p1 Cal 4-50ng	4	✓	50.0	50.4	100.8
p1 Cal 5-100ng	5	1	100.0	99,8	99.8
p1 Cal 6-250ng	6	1	250.0	251.4	100.6
p1 Cal 7-500ng	7	✓	500.0	495.5	99.1
p1 Cal 8-1000ng	8	✓	1000.0	999.4	99.9



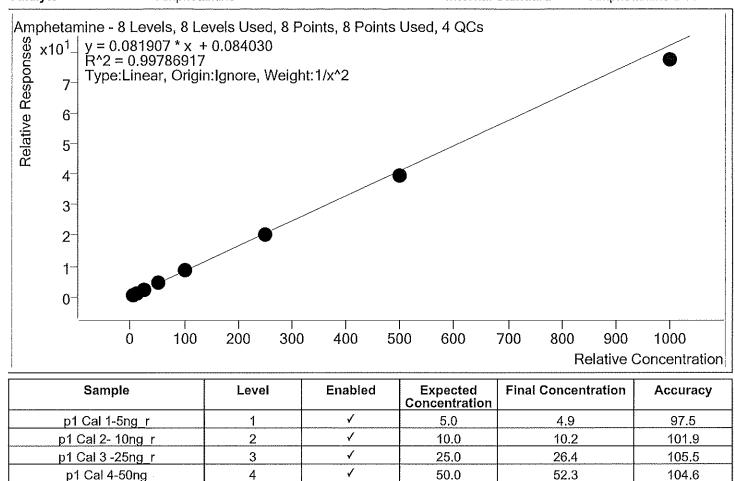
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDC TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Alprazolam	Internal Standard	Alprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.8	115.8
p1 Cal 2- 10ng r	2	1	10.0	10.1	100.8
p1 Cal 3 -25ng_r	3	1	25.0	24.6	98.4
p1 Cal 4-50ng	4	1	50.0	48.5	97.0
p1 Cal 5-100ng	5	1	100.0	93.0	93.0
p1 Cal 6-250ng	6	✓	250.0	238.0	95.2
p1 Cal 7-500ng	7	1	500.0	478.5	95.7
p1 Cal 8-1000ng	8	1	1000.0	1041.5	104.1



Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Amphetamine	Internal Standard	Amphetamine-D11



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1

100.0

250.0

500.0

1000.0

101.4

246.2

481.3

942.8

5

6

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8

p1 Cal 5-100ng

p1 Cal 6-250ng

p1 Cal 7-500ng

p1 Cal 8-1000ng

101.4

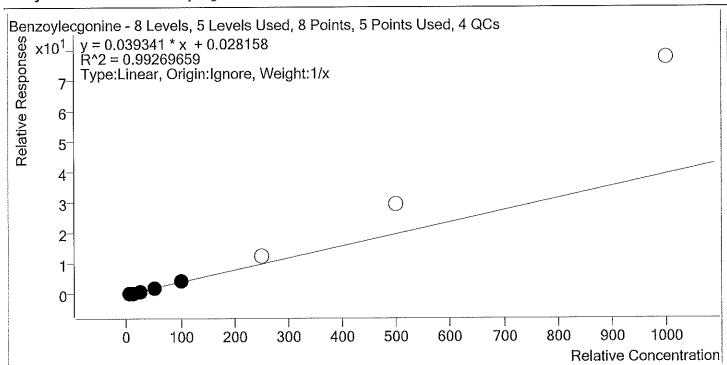
98.5

96.3

94.3



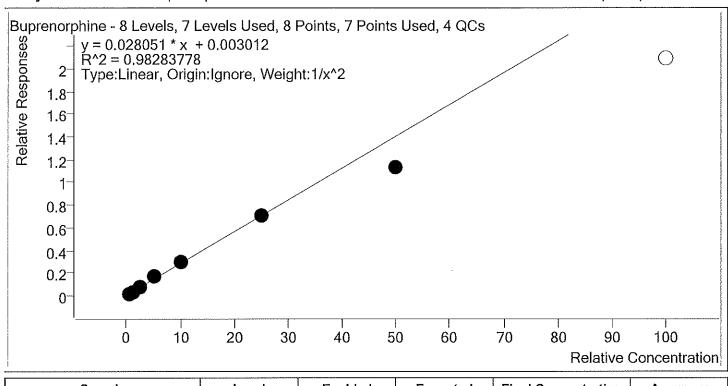
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD0 TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Benzoylecgonine	Internal Standard	Benzoylecgonine-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.7	114.7
p1 Cal 2- 10ng r	2	1	10.0	9.6	95.5
p1 Cal 3 -25ng r	3	1	25.0	23.0	91.8
p1 Cal 4-50ng	4	1	50.0	46.2	92.3
p1 Cal 5-100ng	5	1	100.0	105.6	105.6
p1 Cal 6-250ng	6	×	250.0	323.8	129.5
p1 Cal 7-500ng	7	×	500.0	752.2	150.4
p1 Cal 8-1000ng	8	×	1000.0	1977.0	197.7



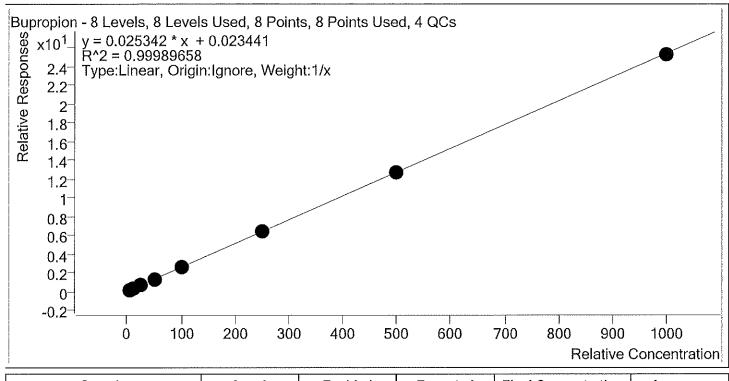
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Buprenorphine	Internal Standard	Buprenorphine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	✓	0.5	0.5	96.4
p1 Cal 2- 10ng_r	2	√	1.0	1,0	104.9
p1 Cal 3 -25ng_r	3	1	2.5	2.4	97.0
p1 Cal 4-50ng	4	✓	5.0	5.9 .	117.7
p1 Cal 5-100ng	5	√	10.0	10.3	102.7
p1 Cal 6-250ng	6	✓	25.0	25.2	100.7
p1 Cal 7-500ng	7	√	50.0	40.2	80.5
p1 Cal 8-1000ng	8	×	100.0	74.5	74.5



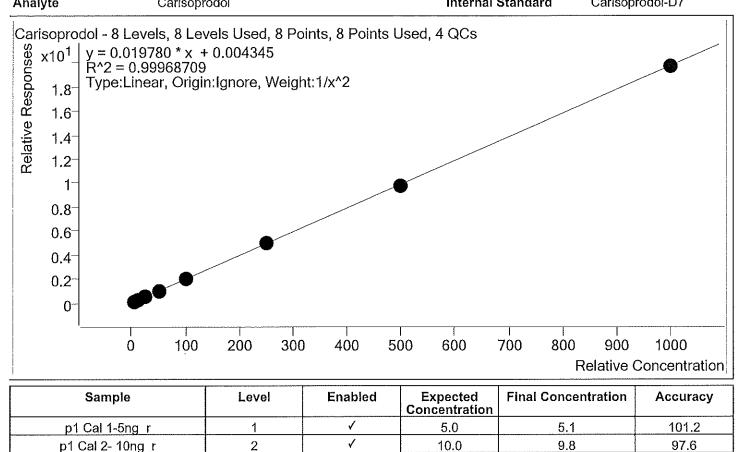
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Bupropion	Internal Standard	Bupropion-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	✓	5.0	4.7	93.1
p1 Cal 2- 10ng_r	2	✓	10.0	10.0	99.6
p1 Cal 3 -25ng_r	3	1	25.0	25.4	101.6
p1 Cal 4-50ng	4	<ul><li>✓</li></ul>	50.0	51.7	103.3
p1 Cal 5-100ng	5	✓	100.0	102.1	102.1
p1 Cal 6-250ng	6	✓	250.0	252,3	100.9
p1 Cal 7-500ng	7	✓	500.0	499.6	99.9
p1 Cal 8-1000ng	8	✓	1000.0	994.3	99.4



Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Carisoprodol	Internal Standard	Carisoprodol-D7



1

4

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1

25.0

50.0

100.0

250.0

500.0

1000.0

24.7

51.2

100.4

252.1

495.4

996.7

98.8

102.4

100.4

100.8

99.1

99.7

3

4

5

6

7

8

p1 Cal 3 -25ng r

p1 Cal 4-50ng

p1 Cal 5-100ng

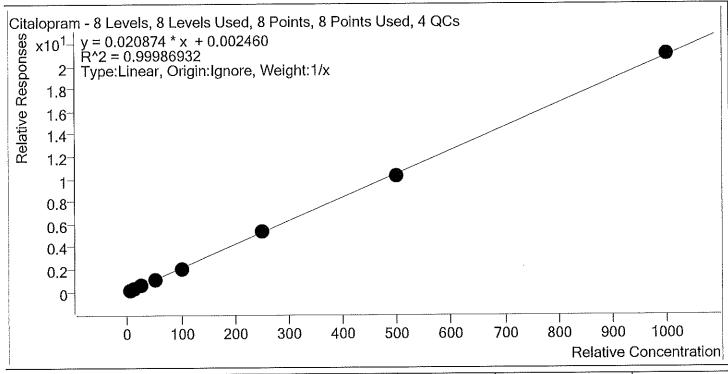
p1 Cal 6-250ng

p1 Cal 7-500ng

p1 Cal 8-1000ng



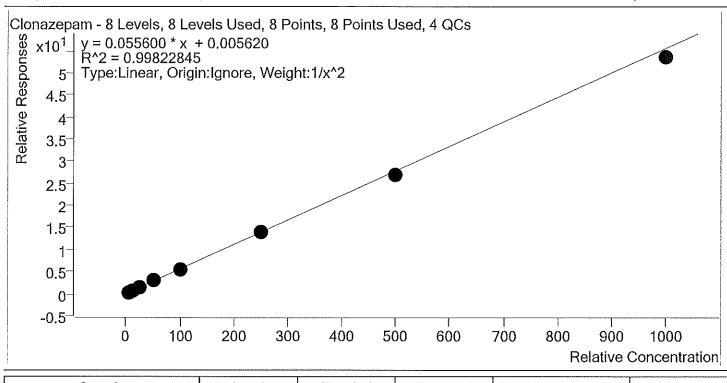
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD TS.batch.bin	Q TS reinjects\QuantResult	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Citalopram	Internal Standard	Citalopram-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	5.0	100.4
p1 Cal 2- 10ng r	2	1	10.0	10.0	99.7
p1 Cal 3 -25ng_r	3	1	25.0	25.4	101.4
p1 Cal 4-50ng	4	1	50.0	50.1	100.3
p1 Cal 5-100ng	5	√	100.0	98.3	98.3
p1 Cal 6-250ng	6	1	250.0	251.7	100.7
p1 Cal 7-500ng	7	1	500.0	492.0	98.4
p1 Cal 8-1000ng	8	1	1000.0	1007.5	100.8



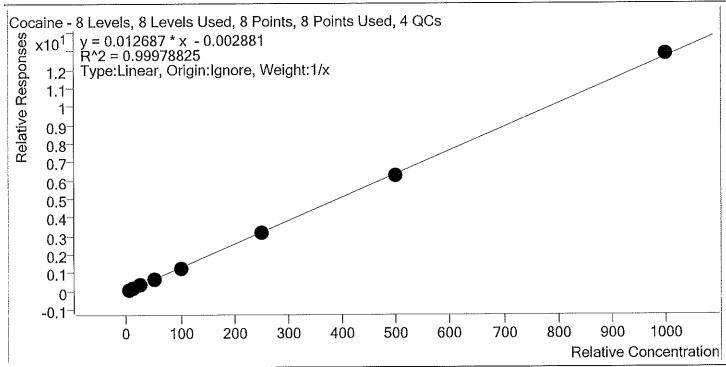
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD( TS.batch.bin	ງ TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Clonazepam	Internal Standard	Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	✓	5.0	4.9	97.5
p1 Cal 2- 10ng_r	2	1	10.0	10.3	103.0
p1 Cal 3 -25ng_r	3	✓	25.0	25.8	103.4
p1 Cal 4-50ng	4	1	50.0	52,8	105.7
p1 Cal 5-100ng	5	✓	100.0	96.5	96.5
p1 Cal 6-250ng	6	✓	250.0	251.4	100.6
p1 Cal 7-500ng	7	4	500.0	485.2	97.0
p1 Cal 8-1000ng	8	✓	1000.0	963.5	96.4



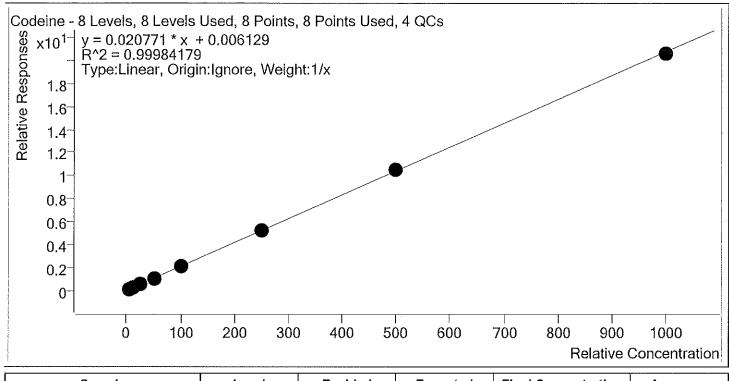
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MI TS.batch.bin	DQ TS reinjects\QuantResult	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Cocaine	Internal Standard	Cocaine-d3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	5.3	106.6
p1 Cal 2- 10ng r	2	. 1	10.0	10.2	102.0
p1 Cal 3 -25ng r	3	1	25.0	24.2	96.7
p1 Cal 4-50ng	4	1	50.0	49.4	98.8
p1 Cal 5-100ng	5	1	100.0	96.9	96.9
p1 Cal 6-250ng	6	1	250.0	246.7	98.7
p1 Cal 7-500ng	7	1	500.0	495.6	99.1
p1 Cal 8-1000ng	8	1	1000.0	1011.7	101.2



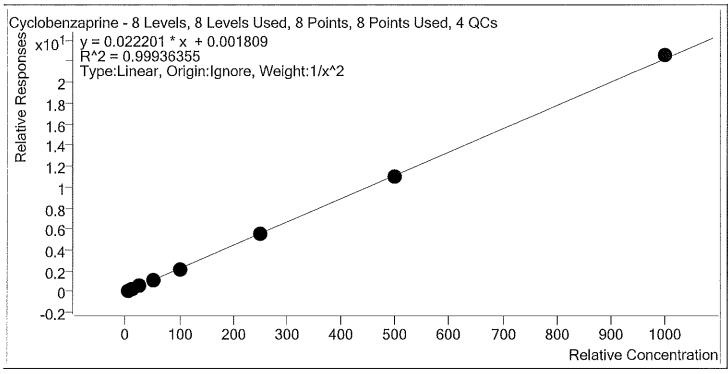
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResults	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Codeine	Internal Standard	Codeine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.1	102.0
p1 Cal 2- 10ng_r	2	✓	10.0	9.9	98.6
p1 Cal 3 -25ng_r	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	49.4	98.9
p1 Cal 5-100ng	5	✓	100.0	98.8	98.8
p1 Cal 6-250ng	6	✓	250.0	251.5	100.6
p1 Cal 7-500ng	7	✓	500.0	509.1	101.8
p1 Cal 8-1000ng	8	1	1000.0	991.1	99.1



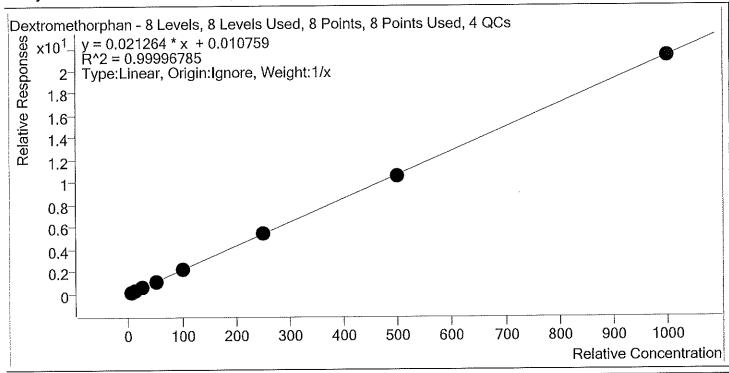
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDC TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Cyclobenzaprine	Internal Standard	Cyclobenzaprine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	99.7
p1 Cal 2- 10ng_r	2	1	10.0	10.1	100.6
p1 Cal 3 -25ng_r	3	✓	25.0	24.6	98.2
p1 Cal 4-50ng	4	✓	50.0	52.3	104.5
p1 Cal 5-100ng	5	1	100.0	98.2	98.2
p1 Cal 6-250ng	6	1	250.0	246.0	98.4
p1 Cal 7-500ng	7	✓	500.0	494.0	98.8
p1 Cal 8-1000ng	8	1	1000.0	1015.1	101.5



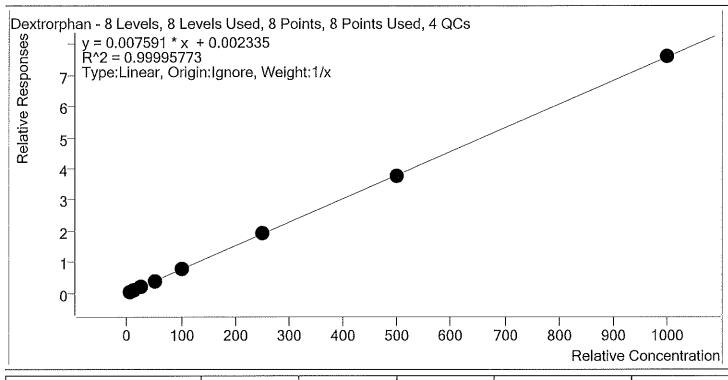
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS TS.batch.bin	S reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Dextromethorphan	Internal Standard	Dextromethorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.9	98.7
p1 Cal 2- 10ng_r	2	1	10.0	10.0	99.9
p1 Cal 3 -25ng_r	3	1	25.0	24.7	98.7
p1 Cal 4-50ng	4	1	50.0	51.2	102.5
p1 Cal 5-100ng	5	1	100.0	99.9	99.9
p1 Cal 6-250ng	6	1	250.0	251.8	100.7
p1 Cal 7-500ng	7	1	500.0	498.1	99.6
p1 Cal 8-1000ng	8	1	1000.0	999.3	99.9



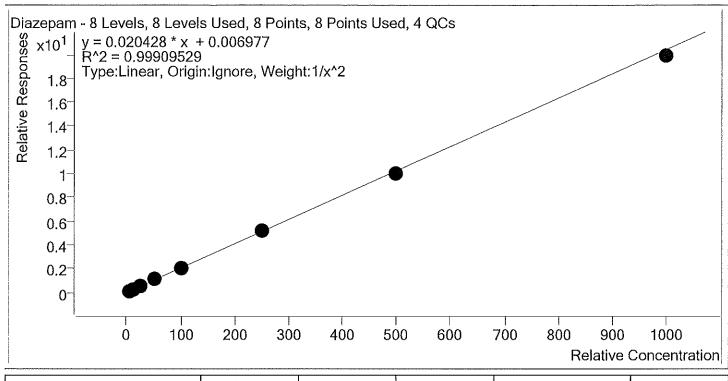
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Dextrorphan	Internal Standard	Dextrorphan-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	5.0	99.4
p1 Cal 2- 10ng_r	2	1	10.0	9,9	98.9
p1 Cal 3 -25ng_r	3	1	25.0	24.9	99.5
p1 Cal 4-50ng	4	✓	50.0	50.9	101.8
p1 Cal 5-100ng	5	1	100.0	100.9	100.9
p1 Cal 6-250ng	6	1	250.0	250.1	100.0
p1 Cal 7-500ng	7	1	500.0	495.5	99.1
p1 Cal 8-1000ng	8	<ul> <li>✓</li> </ul>	1000.0	1002.9	100.3



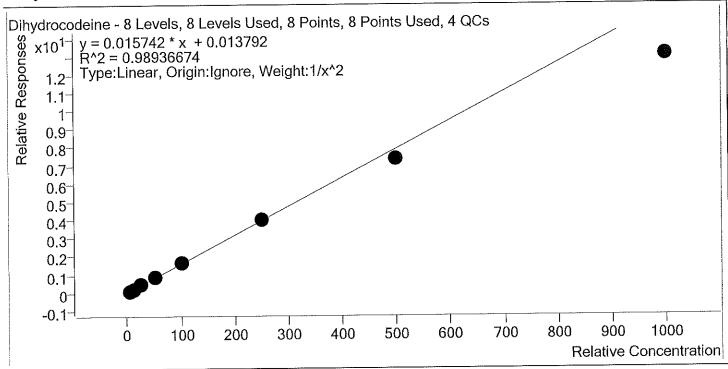
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin				
Last Cal. Update	9/11/2019 11:38 AM				
Analyst Name	ISP\datastor				
Analyte	Diazepam	Internal Standard	Diazepam-D5		



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.1	101.5
p1 Cal 2- 10ng r	2	1	10.0	9.6	96.1
p1 Cal 3 -25ng_r	3	1	25.0	25.1	100.4
p1 Cal 4-50ng	4	1	50.0	51.9	103.7
p1 Cal 5-100ng	5	1	100.0	99.7	99.7
p1 Cal 6-250ng	6	1	250.0	256.6	102.6
p1 Cal 7-500ng	7	1	500.0	492.0	98.4
p1 Cal 8-1000ng	8	1	1000.0	974.4	97.4



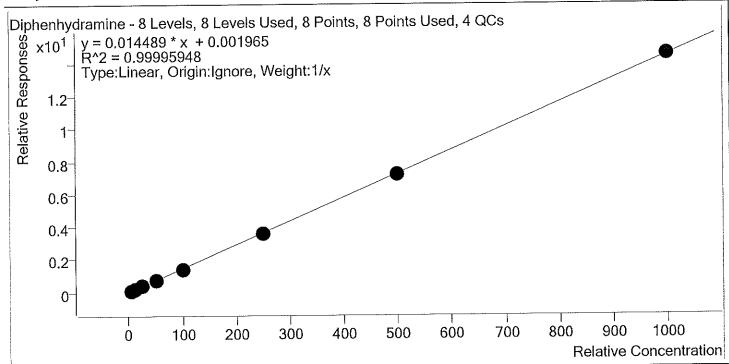
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS TS.batch.bin	S reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Dihydrocodeine	Internal Standard	Dihydrocodelne-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.8	95.7
p1 Cal 2- 10ng r	2	1	10.0	10.3	103.0
p1 Cal 3 -25ng_r	3	1	25.0	26.9	107.8
p1 Cal 4-50ng	4	1	50.0	55.4	110.7
p1 Cal 5-100ng	5	1	100.0	105.3	105.3
p1 Cal 6-250ng	6	1	250.0	252.3	100.9
p1 Cal 7-500ng	7	1	500.0	468.6	93.7
p1 Cal 8-1000ng	8	1	1000.0	828.2	82.8



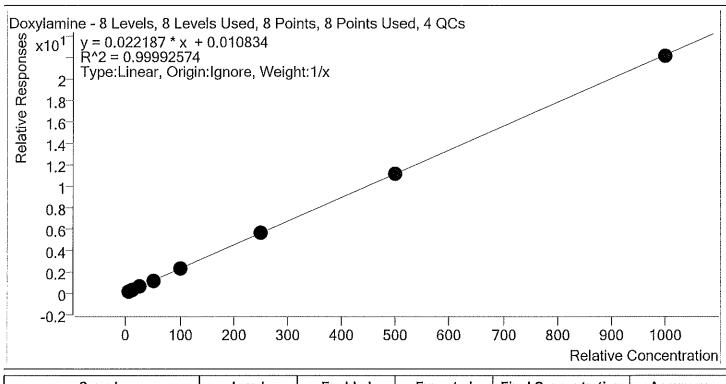
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects	s\QuantResult	ts\MDQ wklst 3645
Last Cal. Update Analyst Name	9/11/2019 11:38 AM ISP\datastor		
Analyte	Diphenhydramine Internal	Standard	Diphenhydramine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	5.1	101.3
p1 Cal 2- 10ng r	2	1	10.0	10.0	99.9
p1 Cal 3 -25ng_r	3	1	25.0	24.9	99.7
p1 Cal 4-50ng	4	1	50.0	50.7	101.3
p1 Cal 5-100ng	5	1	100.0	98.3	98.3
p1 Cal 6-250ng	6	√	250.0	247.6	99.0
p1 Cal 7-500ng	7	1	500.0	500.1	100.0
p1 Cal 8-1000ng	8	✓	1000.0	1003.3	100.3



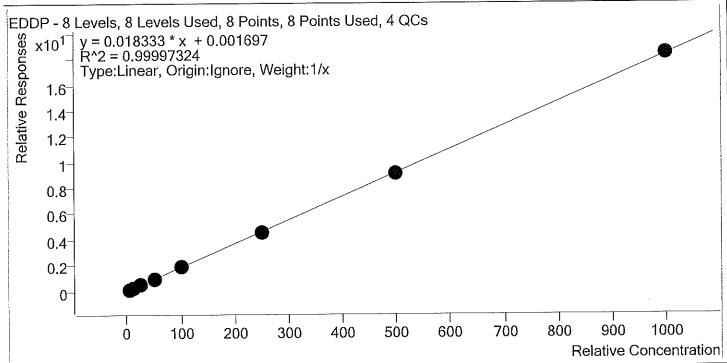
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin				
Last Cal. Update	9/11/2019 11:38 AM				
Analyst Name	ISP\datastor				
Analyte	Doxylamine	Internal Standard	Doxylamine-D5		



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1 .	√	5.0	4.8	96.9
p1 Cal 2- 10ng_r	2	√	10.0	9.8	98.3
p1 Cal 3 -25ng_r	3	1	25,0	25.2	100.7
p1 Cal 4-50ng	4	1	50.0	51.5	103.0
p1 Cal 5-100ng	5	1	100.0	100.1	100.1
p1 Cal 6-250ng	6	1	250.0	253.5	101.4
p1 Cal 7-500ng	7	✓	500.0	500.0	100.0
p1 Cal 8-1000ng	8	1	1000.0	994.9	99,5



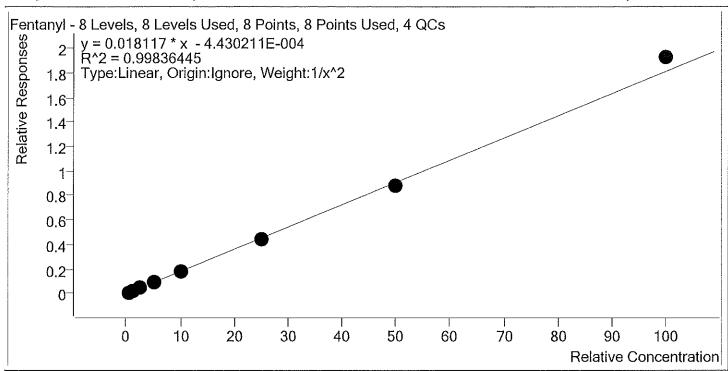
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantRest TS.batch.bin	ults\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM	
Analyst Name	ISP\datastor	
Analyte	EDDP Internal Standard	EDDP-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	100.9
p1 Cal 2- 10ng r	2	1	10.0	10.1	100.9
p1 Cal 3 -25ng_r	3	1	25.0	24.9	99.5
p1 Cal 4-50ng	4	1	50.0	49.9	99.8
p1 Cal 5-100ng	5	1	100.0	99.3	99,3
p1 Cal 6-250ng	6	1	250.0	249.4	99.8
p1 Cal 7-500ng	7	1	500.0	496.9	99.4
p1 Cal 8-1000ng	8	1	1000.0	1004.5	100.4



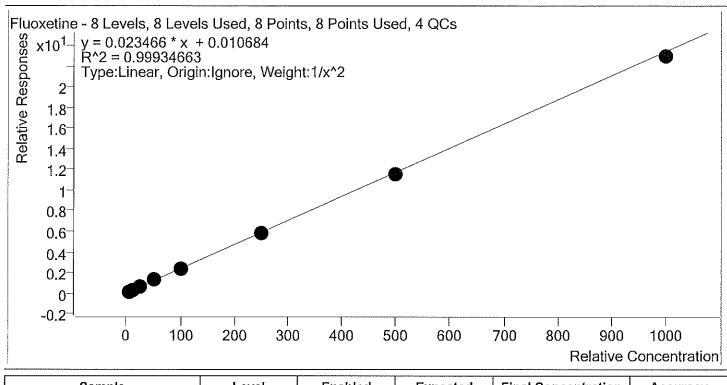
Batch results	D:\MassHunter\Data\2019\AM 28\091019 ME TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Fentanyl	Internal Standard	Fentanyl-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	0.5	0.5	98.1
p1 Cal 2- 10ng_r	2	✓	1.0	1.0	104.4
p1 Cal 3 -25ng_r	3	1	2.5	2.5	99.1
p1 Cal 4-50ng	4	✓	5.0	5.0	100.1
p1 Cal 5-100ng	5	1	10.0	9.8	97.6
p1 Cal 6-250ng	6	V	25.0	24.3	97.3
p1 Cal 7-500ng	7	1	50.0	48,5	97.1
p1 Cal 8-1000ng	8	I	100.0	106.3	106.3



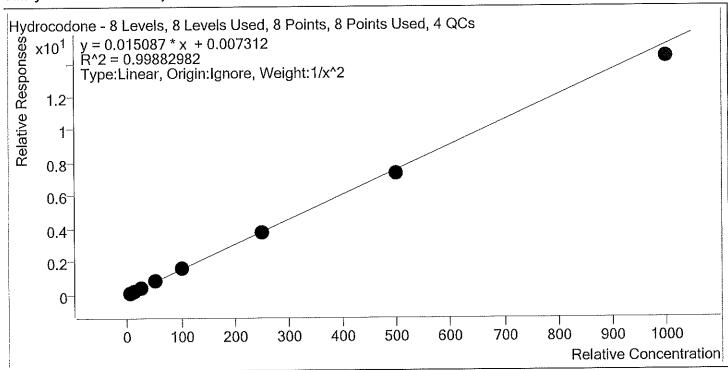
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Fluoxetine	Internal Standard	Fluoxetine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	99.1
p1 Cal 2- 10ng r	2	4	10.0	10,1	100.7
p1 Cal 3 -25ng_r	3	1	25,0	25.2	100.7
p1 Cal 4-50ng	4	1	50.0	52.4	104.8
p1 Cal 5-100ng	5	1	100.0	99.8	99.8
p1 Cal 6-250ng	6	1	250.0	248.2	99.3
p1 Cal 7-500ng	7	1	500.0	488.6	97.7
p1 Cal 8-1000ng	8	✓	1000.0	979.1	97.9



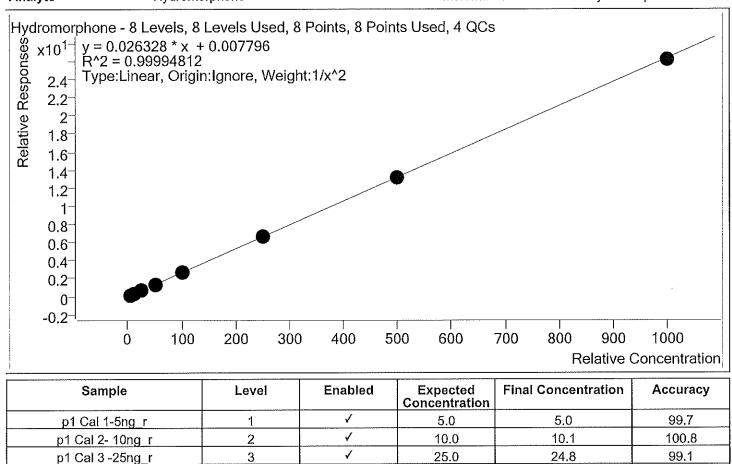
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS TS.batch.bin	S reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Hydrocodone	Internal Standard	Hydrocodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1.	✓	5.0	4.9	98.6
p1 Cal 2- 10ng_r	2	1	10.0	10.2	101.6
p1 Cal 3 -25ng r	3	1	25.0	25.1	100.3
p1 Cal 4-50ng	4	1	50.0	52.0	104.0
p1 Cal 5-100ng	5	√	100.0	103.4	103.4
p1 Cal 6-250ng	6	1	250.0	248.0	99.2
p1 Cal 7-500ng	7	√	500.0	487.9	97.6
p1 Cal 8-1000ng	8	V	1000.0	952.4	95.2



Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ ` TS.batch.bin	TS reinjects\QuantResults	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Hydromorphone	Internal Standard	Hydromorphone-D6



1

4

1

4

1

50.0

100.0

250.0

500.0

1000.0

4

5

6

7

8

p1 Cal 4-50ng

p1 Cal 5-100ng

p1 Cal 6-250ng

p1 Cal 7-500ng

p1 Cal 8-1000ng

100.3

99.8

100.8

100.1

99.3

50.1

99.8

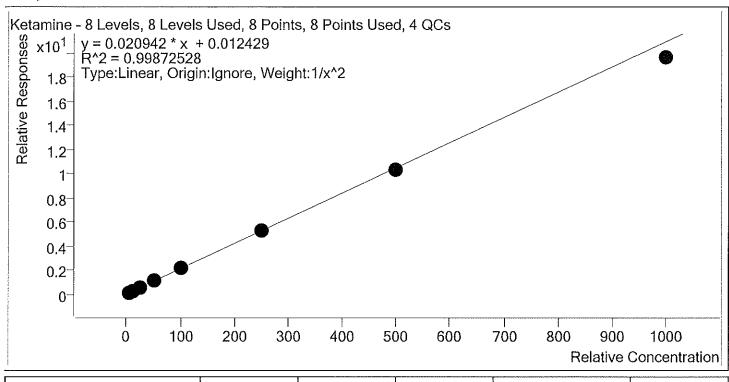
252.0

500.6

993.0



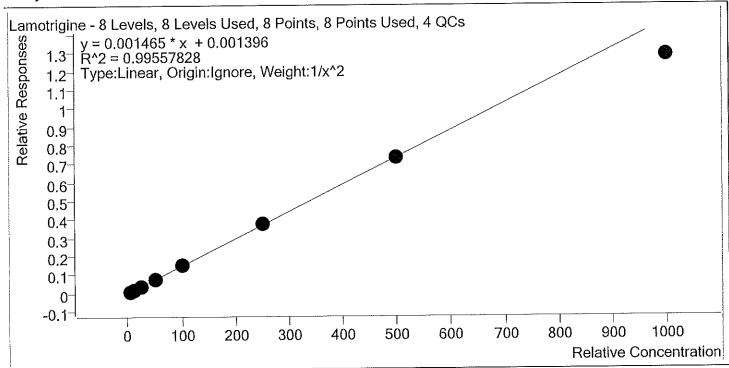
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Ketamine	Internal Standard	Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.9	98.8
p1 Cal 2- 10ng_r	2	✓	10.0	10.1	100.7
p1 Cal 3 -25ng_r	3	1	25.0	25.5	102.0
p1 Cal 4-50ng	4	1	50.0	51.8	103.5
p1 Cal 5-100ng	5	1	100.0	101.8	101.8
p1 Cal 6-250ng	6	1	250,0	253.8	101.5
p1 Cal 7-500ng	7	1	500.0	489.5	97.9
p1 Cal 8-1000ng	8	✓	1000.0	937.5	93.7



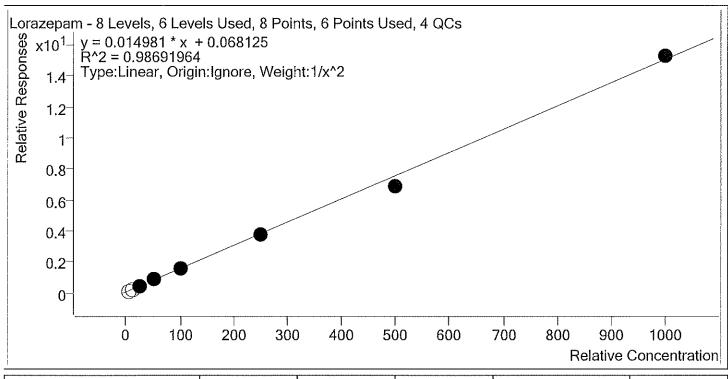
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantRest TS.batch.bin	ults\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM	
Analyst Name	ISP\datastor	
Analyte	Lamotrigine Internal Standard	Ketamine-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	5.0	99.5
p1 Cal 2- 10ng r	2	1	10.0	9.8	97.5
p1 Cal 3 -25ng_r	3	1	25.0	26.4	105.6
p1 Cal 4-50ng	4	1	50.0	52.0	104.0
p1 Cal 5-100ng	5	1	100.0	104.6	104.6
p1 Cal 6-250ng	6	1	250.0	254.6	101.8
p1 Cal 7-500ng	7	1	500.0	497.1	99.4
p1 Cal 8-1000ng	8	1	1000.0	875.1	87.5



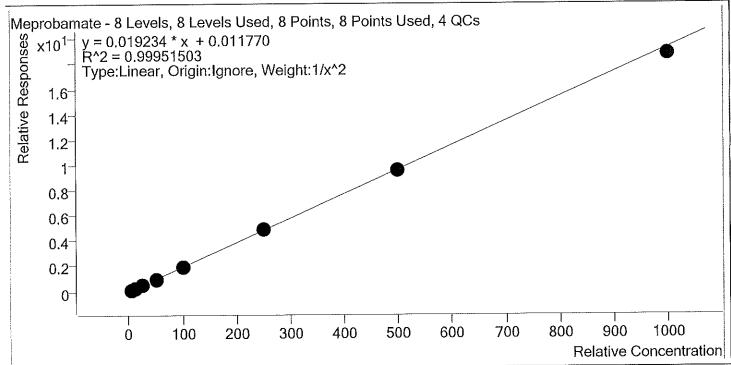
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Lorazepam	Internal Standard	Clonazepam-D4



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	×	5.0	2.3	45.1
p1 Cal 2- 10ng_r	2	×	10.0	6.0	59.9
p1 Cal 3 -25ng_r	3	1	25.0	23.1	92.3
p1 Cal 4-50ng	4	1	50.0	58.4	116.8
p1 Cal 5-100ng	5	1	100.0	98.9	98.9
p1 Cal 6-250ng	6	1	250.0	248.6	99.4
p1 Cal 7-500ng	7	1	500.0	455.2	91.0
p1 Cal 8-1000ng	8	✓	1000.0	1014.4	101.4



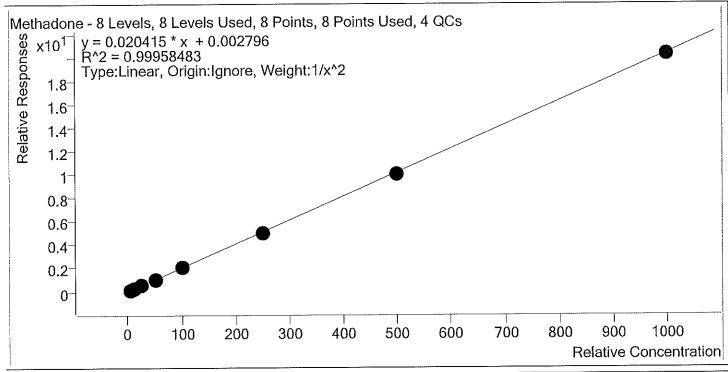
Batch results	D:\MassHunter\Data\2019\AM 28\091019 I TS.batch.bin	MDQ TS reinjects\QuantResult	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Meprobamate	Internal Standard	Meprobamate-D7



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.9	98.9
p1 Cal 2- 10ng r	2	1	10.0	10.2	102.5
p1 Cal 3 -25ng r	3	×	25.0	24.7	98.7
p1 Cal 4-50ng	4	1	50.0	50.4	100.7
p1 Cal 5-100ng	5	1	100.0	100.3	100.3
p1 Cal 6-250ng	6	✓	250.0	257.0	102.8
p1 Cal 7-500ng	7	✓	500.0	493.6	98.7
p1 Cal 8-1000ng	8	1	1000.0	974.1	97.4



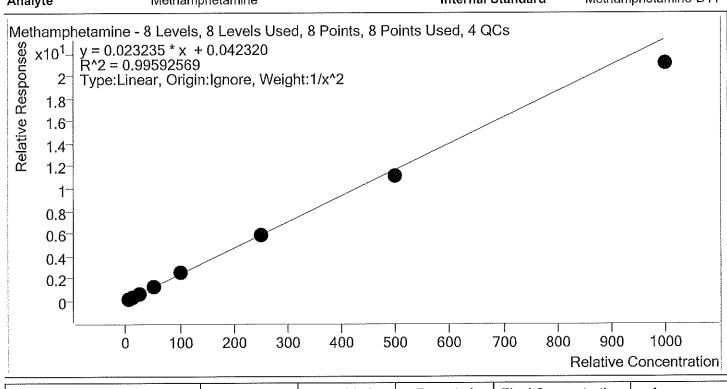
Batch results	D:\MassHunter\Data\2019\AM 28\091019 M TS.batch.bin	IDQ TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Methadone	Internal Standard	Methadone-D9



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	99.8
p1 Cal 2- 10ng r	2	✓	10.0	9.9	99.4
p1 Cal 3 -25ng_r	3	1	25.0	25.1	100.6
p1 Cal 4-50ng	4	1	50.0	51.8	103.6
p1 Cal 5-100ng	5	1	100.0	100.8	100.8
p1 Cal 6-250ng	6	1	250.0	246.3	98.5
p1 Cal 7-500ng	7	√	500.0	488.9	97.8
p1 Cal 8-1000ng	8	1	1000.0	994.9	99.5



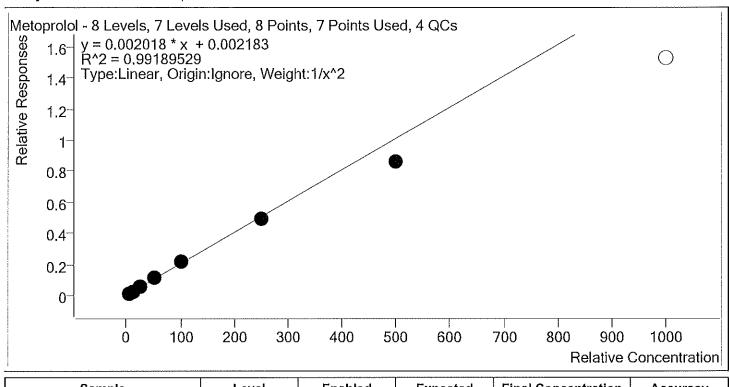
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD0 TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	[SP\datastor		
Analvte	Methamphetamine	Internal Standard	Methamphetamine-D11



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.9	98,4
p1 Cal 2- 10ng_r	2	1	10.0	9.9	99.1
p1 Cal 3 -25ng r	3	√	25.0	26.7	106.8
p1 Cal 4-50ng	4	1	50.0	53.4	106.9
p1 Cal 5-100ng	5	1	100.0	103.3	103.3
p1 Cal 6-250ng	6	1	250.0	248.4	99.4
p1 Cal 7-500ng	7	1	500.0	477.7	95.5
p1 Cal 8-1000ng	8	1	1000.0	906.6	90.7



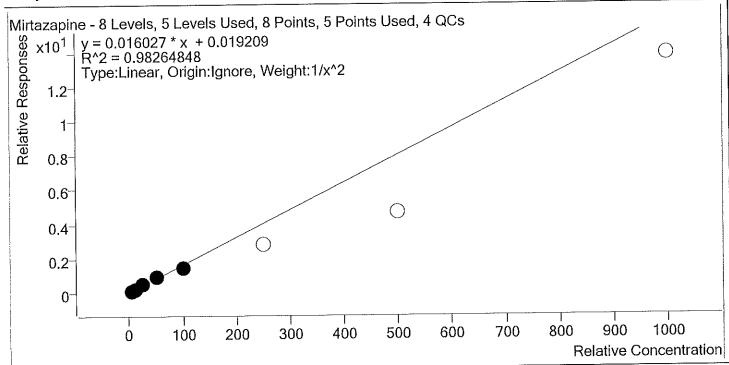
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin				
Last Cal. Update	9/11/2019 11:38 AM				
Analyst Name	ISP\datastor				
Analyte	Metoprolol	Internal Standard	Tramadol-13C-D3		



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.8	96.7
p1 Cal 2- 10ng r	2	1	10.0	10.3	102.5
p1 Cal 3 -25ng_r	3	1	25.0	26.6	106.3
p1 Cal 4-50ng	4	1	50.0	53.5	106.9
p1 Cal 5-100ng	5	1	100.0	104.8	104.8
p1 Cal 6-250ng	6	✓	250.0	243.3	97.3
p1 Cal 7-500ng	7		500.0	426.7	85.3
p1 Cal 8-1000ng	8	×	1000.0	756.4	75.6



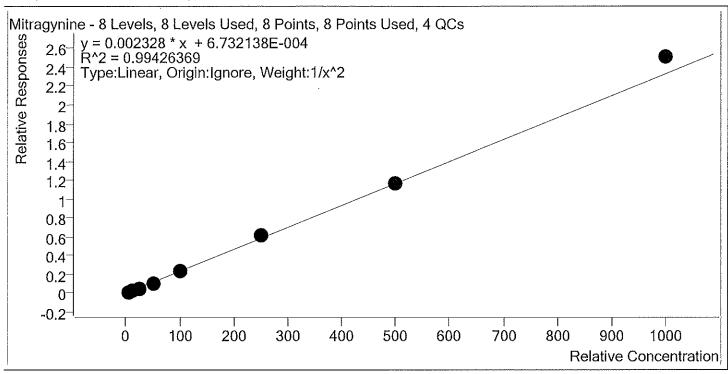
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Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	SP\datastor		
Analyte	Mirtazapine Internal Stand	lard	alpha-PVP-d8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	100.9
p1 Cal 2- 10ng r	2	√	10.0	9.3	93.1
p1 Cal 3 -25ng_r	3	1	25.0	28.2	112.7
p1 Cal 4-50ng	4	1	50.0	53.1	106.3
p1 Cal 5-100ng	5	1	100.0	87.0	87.0
p1 Cal 6-250ng	6	×	250.0	176.3	70.5
p1 Cal 7-500ng	7	×	500.0	289.7	57.9
p1 Cal 8-1000ng	8	×	1000.0	865.0	86.5



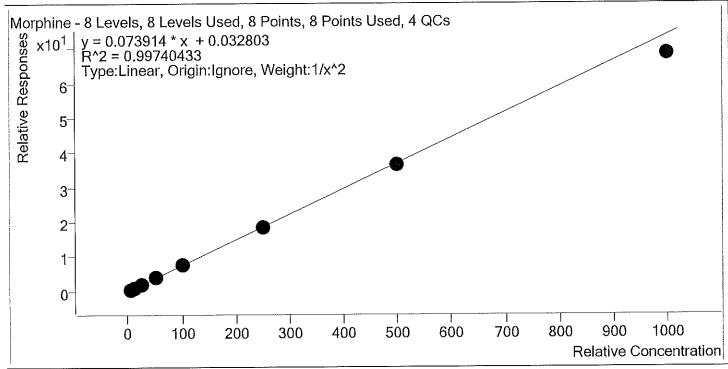
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wkist 3645 TS.batch.bin				
Last Cal. Update	9/11/2019 11:38 AM				
Analyst Name	ISP\datastor				
Analyte	Mitragynine	Internal Standard	Methadone-D9		



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	100.5
p1 Cal 2- 10ng_r	2	1	10.0	10.5	104.9
p1 Cal 3 -25ng_r	3	1	25.0	22.1	88.3
p1 Cal 4-50ng	4	1	50.0	46.5	93.0
p1 Cal 5-100ng	5	1	100.0	99,3	99.3
p1 Cal 6-250ng	6	1	250.0	264.0	105.6
p1 Cal 7-500ng	7	✓	500.0	503.7	100.7
p1 Cal 8-1000ng	8	1	1000.0	1077.4	107.7



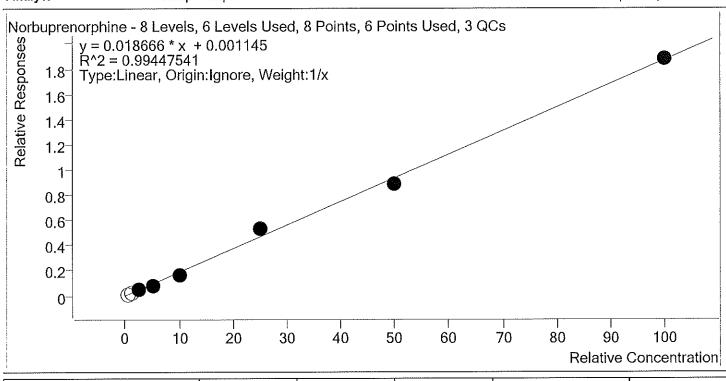
Batch results	D:\MassHunter\Data\2019\AM 28\091019 ME TS.batch.bin	Q TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Morphine	Internal Standard	Morphine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	4.9	98.8
p1 Cal 2- 10ng r	2	1	10.0	10.0	100.4
p1 Cal 3 -25ng_r	3	1	25.0	25.2	100.7
p1 Cal 4-50ng	4	1	50.0	54.4	108.9
p1 Cal 5-100ng	5	√	100.0	100.1	100.1
p1 Cal 6-250ng	6	1	250.0	250.5	100.2
p1 Cal 7-500ng	7	1	500.0	491.0	98.2
p1 Cal 8-1000ng	8	1	1000.0	927.2	92.7



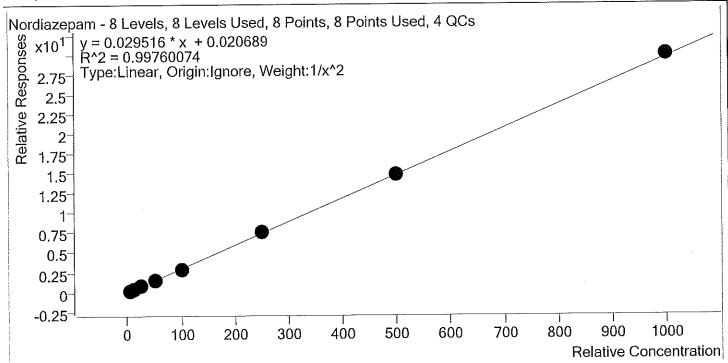
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wkist 3645 TS.batch.bin				
Last Cal. Update	9/11/2019 11:38 AM				
Analyst Name	ISP\datastor				
Analyte	Norbuprenorphine	Internal Standard	Norbuprenorphine-D3		



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	×	0.5	0.5	104.3
p1 Cal 2- 10ng r	2	×	1.0	1.3	133.7
p1 Cal 3 -25ng_r	3	1	2.5	2.9	114.7
p1 Cal 4-50ng	4	1	5.0	4.3	85.8
p1 Cal 5-100ng	5	1	10.0	9.1	90.8
p1 Cal 6-250ng	6	1	25.0	28.3	113.3
p1 Cal 7-500ng	7	1	50.0	47.5	94.9
p1 Cal 8-1000ng	8	1	100.0	100.5	100.5



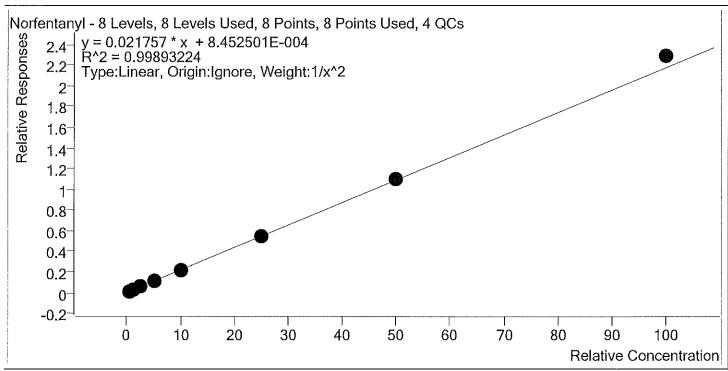
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResul TS.batch.bin	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM	
Analyst Name	ISP\datastor	
Analyte	Nordiazepam Internal Standard	Nordiazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	5.2	104.5
p1 Cal 2- 10ng_r	2	1	10.0	9.1	90.5
p1 Cal 3 -25ng r	3	1	25.0	25.1	100.4
p1 Cal 4-50ng	4	1	. 50.0	51.0	101.9
p1 Cal 5-100ng	5	1	100.0	98.1	98.1
p1 Cal 6-250ng	6	1	250.0	256,9	102.8
p1 Cal 7-500ng	7	1	500.0	502.5	100.5
p1 Cal 8-1000ng	8	1	1000.0	1013.2	101.3



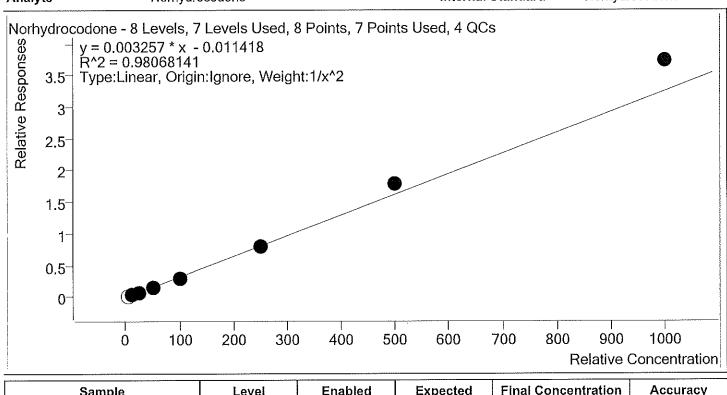
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin				
Last Cal. Update	9/11/2019 11:38 AM				
Analyst Name	ISP\datastor				
Analyte	Norfentanyl	Internal Standard	Norfentanyl-D5		



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	0.5	0.5	101.4
p1 Cal 2- 10ng_r	2	1	1.0	1.0	99.0
p1 Cal 3 -25ng_r	3	1	2.5	2,4	95.9
p1 Cal 4-50ng	4	1	5.0	5.0	100.3
p1 Cal 5-100ng	5	1	10.0	9.7	97.1
p1 Cal 6-250ng	6	1	25.0	25.1	100.5
p1 Cal 7-500ng	7	1	50.0	50.4	100.7
p1 Cal 8-1000ng	8	1	100.0	105.2	105.2



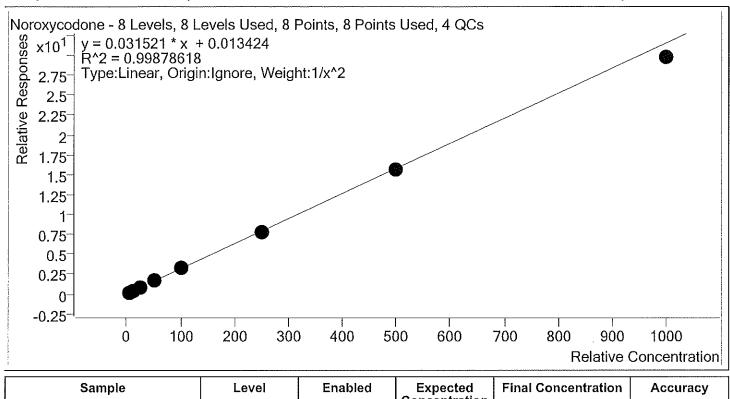
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Norhydrocodone	Internal Standard	Norhydrocodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	×	5.0	7.0	139.9
p1 Cal 2- 10ng_r	2	1	10.0	10.9	108.9
p1 Cal 3 -25ng r	3	1	25.0	20.9	83.8
p1 Cal 4-50ng	4	1	50.0	45.4	90.8
p1 Cal 5-100ng	5	1	100.0	90.1	90.1
p1 Cal 6-250ng	6	1	250.0	251.0	100.4
p1 Cal 7-500ng	7	1	500.0	555.8	111.2
p1 Cal 8-1000ng	8	1	1000.0	1148.1	114.8



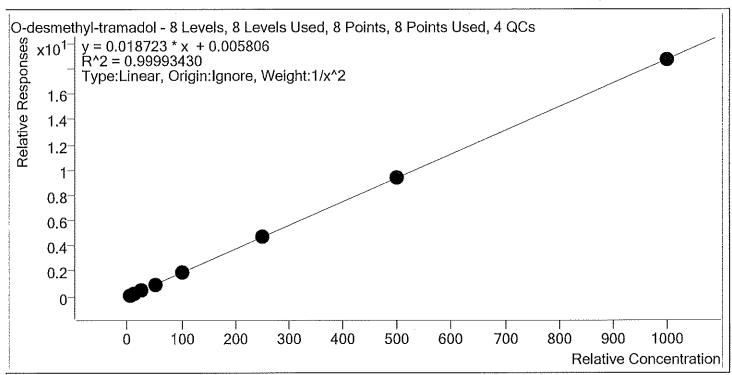
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDC TS.batch.bin	TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Noroxycodone	Internal Standard	Noroxycodone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	11	✓	5.0	4.9	98.1
p1 Cal 2- 10ng_r	2	✓	10.0	10.2	101.8
p1 Cal 3 -25ng_r	3	1	25.0	25.9	103.4
p1 Cal 4-50ng	4	1	50.0	51.6	103.1
p1 Cal 5-100ng	5		100.0	101.1	101.1
p1 Cal 6-250ng	6	1	250.0	249.1	99.6
p1 Cal 7-500ng	7	✓	500.0	492.6	98.5
p1 Cal 8-1000ng	8	✓	1000.0	943.1	94.3



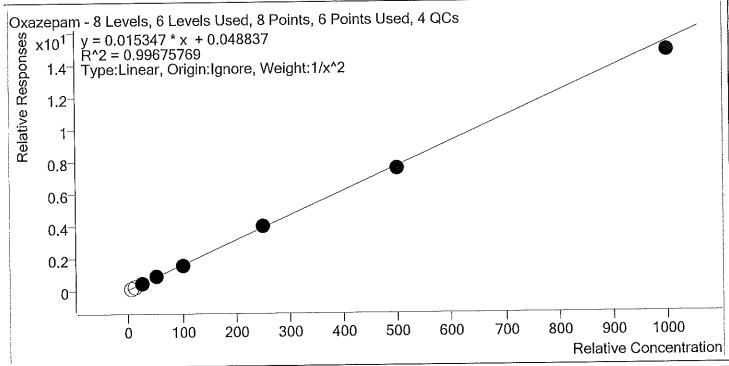
Batch results	D:\MassHunter\Data\2019\AM 28\09101 TS.batch.bin	9 MDQ TS reinjects\QuantResul	ls\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	O-desmethyl-tramadol	Internal Standard	O-desmethyl-tramadol- D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	100.5
p1 Cal 2- 10ng_r	2	1	10.0	9.9	98.8
p1 Cal 3 -25ng_r	3	1	25.0	25.0	100.1
p1 Cal 4-50ng	4	1	50.0	50.6	101.2
p1 Cal 5-100ng	5	1	100.0	99.9	99.9
p1 Cal 6-250ng	6	1	250.0	250.5	100.2
p1 Cal 7-500ng	7	1	500.0	497.9	99.6
p1 Cal 8-1000ng	8	1	1000.0	998.1	99.8



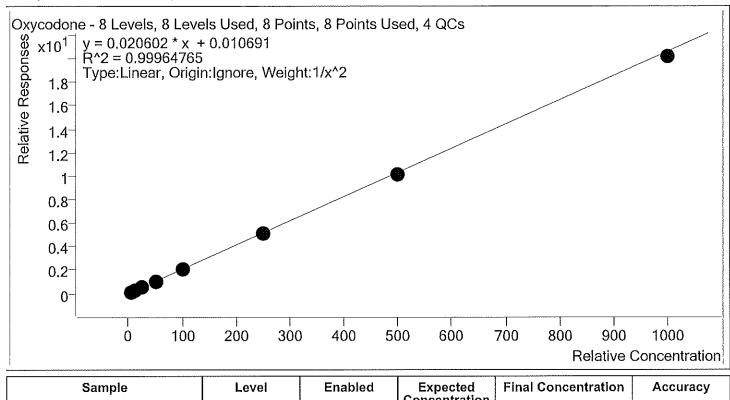
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\C TS.batch.bin	luantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Oxazepam Internal St	andard	Oxazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	×	5.0	3.5	70.7
p1 Cal 2- 10ng_r	2	×	10.0	8.6	86.3
p1 Cal 3 -25ng r	3	1	25.0	24.0	96.1
p1 Cal 4-50ng	4	1	50.0	54.1	108.2
p1 Cal 5-100ng	5	1	100.0	99.3	99.3
p1 Cal 6-250ng	6	1	250.0	254.6	101.9
p1 Cal 7-500ng	7	✓	500.0	492.4	98.5
p1 Cal 8-1000ng	8	1	1000.0	961.4	96.1



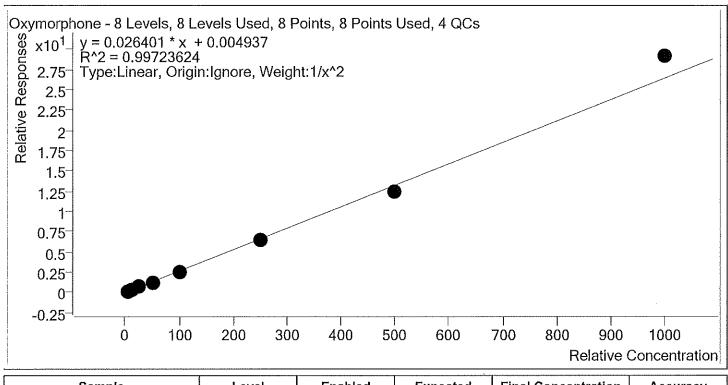
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD0 TS.batch.bin	QTS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Oxycodone	Internal Standard	Oxycodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	✓	5,0	5.0	99.6
p1 Cal 2- 10ng_r	2	✓	10.0	10.0	100.0
p1 Cal 3 -25ng r	3	✓	25.0	25.1	100.3
p1 Cal 4-50ng	4	✓	50.0	51.7	103.4
p1 Cal 5-100ng	5	1	100.0	100.0	100.0
p1 Cal 6-250ng	6	<ul><li>✓</li></ul>	250.0	250.7	100.3
p1 Cal 7-500ng	7	✓	500.0	493.1	98.6
p1 Cal 8-1000ng	8	<ul><li>✓</li></ul>	1000.0	977.9	97.8



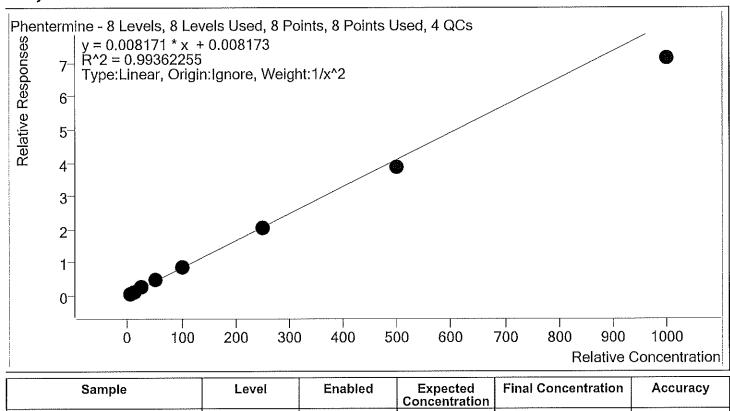
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS.batch.bin	TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Oxymorphone	Internal Standard	Oxymorphone-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	100.7
p1 Cal 2- 10ng r	2	√	10.0	10.0	99.5
p1 Cal 3 -25ng_r	3	1	25.0	24.8	99.1
p1 Cal 4-50ng	4	1	50.0	49.0	98.0
p1 Cal 5-100ng	5	1	100.0	98.9	98.9
p1 Cal 6-250ng	6	1	250.0	247.8	99.1
p1 Cal 7-500ng	7	1	500.0	471.6	94.3
p1 Cal 8-1000ng	8	1	1000.0	1103.1	110.3



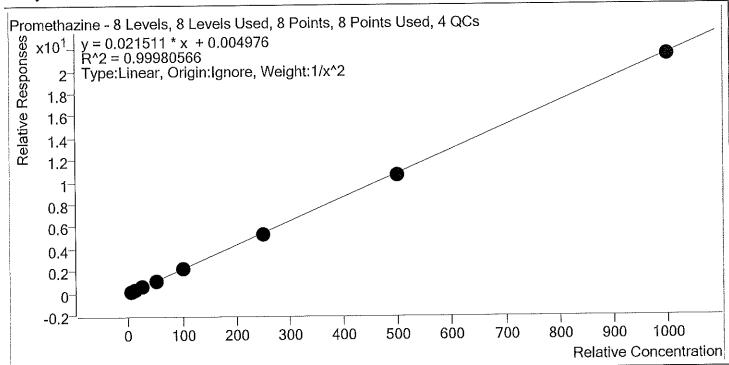
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MI TS.batch.bin	DQ TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Phentermine	Internal Standard	Phentermine-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	4.9	97.2
p1 Cal 2- 10ng_r	2	1	10.0	10.1	100.7
p1 Cal 3 -25ng_r	3	1	25,0	26.9	107.4
p1 Cal 4-50ng	4		50.0	54.2	108.4
p1 Cal 5-100ng	5	1	100.0	104.2	104.2
p1 Cal 6-250ng	6	✓	250.0	249.7	99.9
p1 Cal 7-500ng	7	1	500.0	473.8	94.8
p1 Cal 8-1000ng	8	✓	1000.0	873.8	87.4



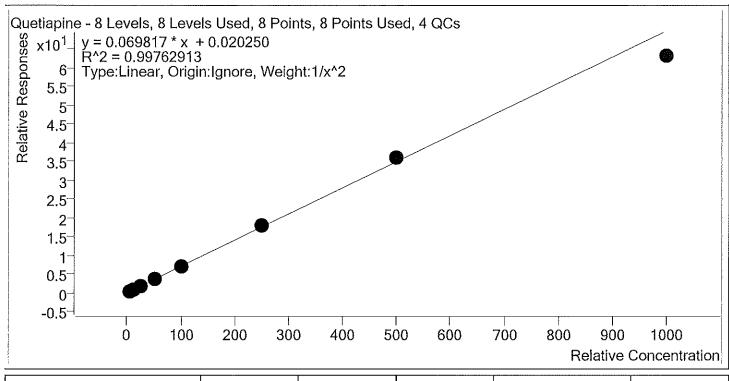
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResul TS.batch.bin	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM	
Analyst Name	ISP\datastor	
Analyte	Promethazine Internal Standard	Promethazine-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.0	99.1
p1 Cal 2- 10ng r	2	1	10.0	10.1	100.9
p1 Cal 3 -25ng_r	3	1	25.0	25.4	101.7
p1 Cal 4-50ng	4	1	50.0	50.9	101.7
p1 Cal 5-100ng	5	1	100.0	99.3	99.3
p1 Cal 6-250ng	6	1	250.0	247.3	98.9
p1 Cal 7-500ng	7	1	500.0	495.0	99.0
p1 Cal 8-1000ng	8	1	1000.0	993.7	99.4



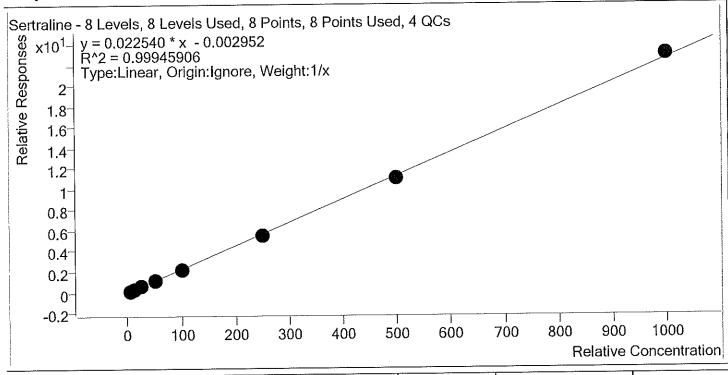
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDC TS.batch.bin	TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Quetiapine	Internal Standard	Quetiapine-D8



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.9	98.8
p1 Cal 2- 10ng_r	2	✓	10.0	10.2	101.7
p1 Cal 3 -25ng_r	3	1	25.0	25.4	101.7
p1 Cal 4-50ng	4		50.0	49.5	99.0
p1 Cal 5-100ng	5	1	100.0	102.3	102.3
p1 Cal 6-250ng	6	1	250.0	255.9	102.4
p1 Cal 7-500ng	7	1	500.0	518.8	103.8
p1 Cal 8-1000ng	8	✓	1000.0	904.2	90.4



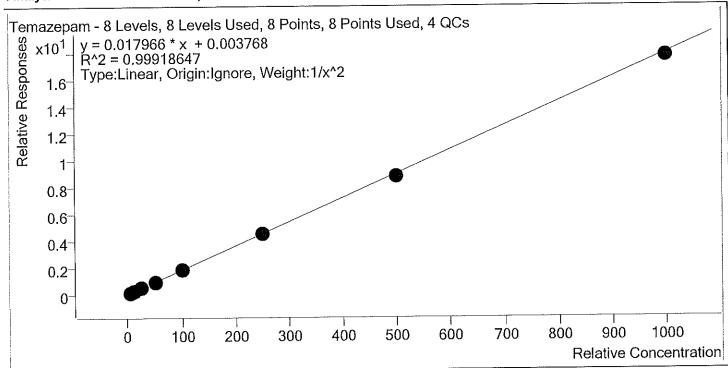
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantRes TS.batch.bin	sults\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM	
Analyst Name	ISP\datastor	
Analyte	Sertraline Internal Standard	Sertraline-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.3	106.3
p1 Cal 2- 10ng r	2	1	10.0	9.8	98.2
p1 Cal 3 -25ng r	3	1	25.0	24.8	99.3
p1 Cal 4-50ng	4	1	50.0	51.0	101.9
p1 Cal 5-100ng	5	1	100.0	97.6	97.6
p1 Cal 6-250ng	6	✓	250.0	242.0	96.8
p1 Cal 7-500ng	7	1	500.0	489.8	98.0
p1 Cal 8-1000ng	8	1	1000.0	1019.8	102.0



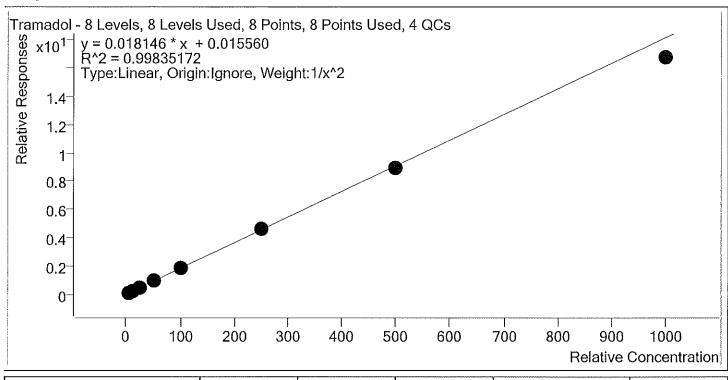
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reir TS.batch.bin	ijects\QuantResult	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Temazepam Inte	ernal Standard	Temazepam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	4.9	97.6
p1 Cal 2- 10ng_r	2	1	10.0	10.5	105.1
p1 Cal 3 -25ng r	3	✓	25.0	24.6	98.5
p1 Cal 4-50ng	4	✓	50.0	50.8	101.6
p1 Cal 5-100ng	5	1	100.0	100.9	100.9
p1 Cal 6-250ng	6	1	250.0	247.7	99.1
p1 Cal 7-500ng	7	✓	500.0	492.0	98.4
p1 Cal 8-1000ng	8	✓	1000.0	987.4	98.7



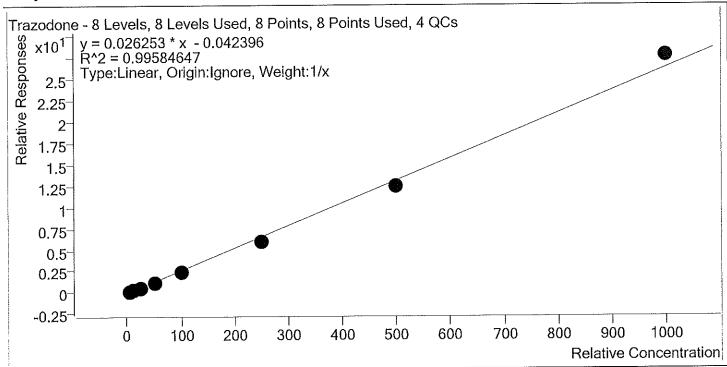
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDC TS.batch.bin	TS reinjects\QuantResult	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Tramadol	Internal Standard	Tramadol-13C-D3



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	4.9	98.7
p1 Cal 2- 10ng_r	2	✓	10.0	10.1	101.1
p1 Cal 3 -25ng_r	3	1	25.0	25.5	101.8
p1 Cal 4-50ng	4	1	50.0	51.3	102.6
p1 Cal 5-100ng	5	1	100.0	102.5	102.5
p1 Cal 6-250ng	6	1	250.0	256.2	102.5
p1 Cal 7-500ng	7	/	500.0	492.8	98.6
p1 Cal 8-1000ng	8	V	1000.0	922.7	92.3



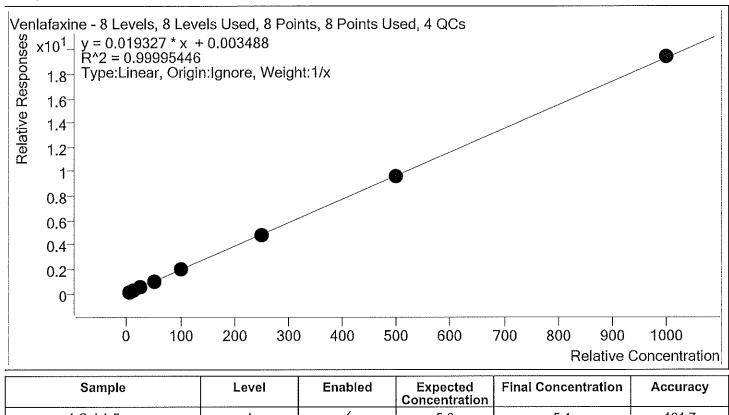
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\ TS.batch.bin	QuantResult	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Trazodone Internal S	Standard	Trazodone-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	6.2	124.3
p1 Cal 2- 10ng r	2	1	10.0	10.5	105.2
p1 Cal 3 -25ng_r	3	1	25.0	23.5	94.0
p1 Cal 4-50ng	4	1	50,0	46.8	93.6
p1 Cal 5-100ng	5	1	100.0	89.5	89.5
p1 Cal 6-250ng	6	1	250.0	231.7	92.7
p1 Cal 7-500ng	7	1	500.0	475.7	95.1
p1 Cal 8-1000ng	8	1	1000.0	1056.1	105.6



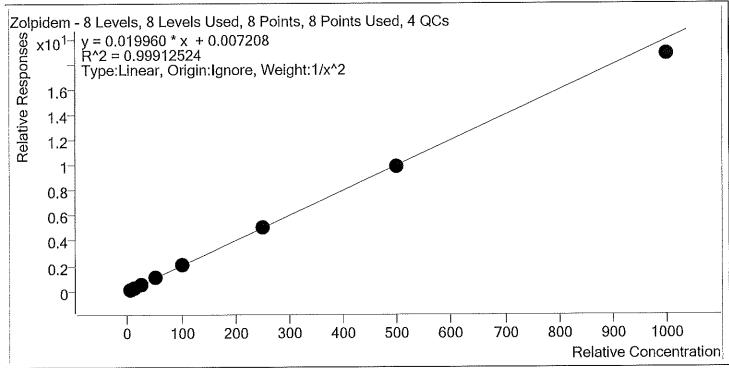
Batch results	D:\MassHunter\Data\2019\AM 28\091019 MD0 TS.batch.bin	Q TS reinjects\QuantResul	ts\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Venlafaxine	Internal Standard	Venlafaxine-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng_r	1	1	5.0	5.1	101.7
p1 Cal 2- 10ng_r	2	1	10.0	10.0	99.6
p1 Cal 3 -25ng r	3	✓	25.0	24.9	99.5
p1 Cal 4-50ng	4	1	50.0	50.5	101.0
p1 Cal 5-100ng	5	1	100.0	99.0	99.0
p1 Cal 6-250ng	6	1	250.0	248.5	99.4
p1 Cal 7-500ng	7	1	500.0	496.6	99.3
p1 Cal 8-1000ng	8	. 1	1000.0	1005.5	100.6



Batch results	D:\MassHunter\Data\2019\AM 28\091019 I TS.batch.bin	MDQ TS reinjects\QuantResult	s\MDQ wklst 3645
Last Cal. Update	9/11/2019 11:38 AM		
Analyst Name	ISP\datastor		
Analyte	Zolpidem	Internal Standard	Zolpidem-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
p1 Cal 1-5ng r	1	1	5.0	4.9	98.9
p1 Cal 2- 10ng_r	2	1	10.0	10.1	101.2
р1 Cal 3 -25ng г	3	1	25.0	25.3	101.3
p1 Cal 4-50ng	4	1	50.0	51.2	102.3
p1 Cal 5-100ng	5	✓	100.0	101.2	101.2
p1 Cal 6-250ng	6	✓	250.0	253.6	101.5
p1 Cal 7-500ng	7	1	500.0	496.3	99.3
p1 Cal 8-1000ng	8	√	1000.0	943.4	94.3

Batch results Calibration Last Update	D:\Mass  9/11/201	D:\MassHunter\Data\2019\AM 9/11/2019 11:38:29 AM	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	reinjects\QuantRe	sults\MDQ wklst 3645	TS.batch.bin		
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco Cal MDQ P1 Combined 082 P2-H12 1 9/10/2019 9:32:16 AM	Falco Cal MDQ P1 Combined 082219.m P2-H12 1 9/10/2019 9:32:16 AM	Data File Sample Operator Comment		p1 Cal 1-5ng_r.d p1 Cal 1-5ng_r			
Sample Chromatogram + TIC MRM (** -> **) p1 Cal 1-5ng r.d (p1 Cal 1-5ng r)	-5ng r.d (p1 Cal 1-5n	<u>ig_r)</u>	e com marca e con e la marca dela marca manda esta della					
County - 1.0 Min	-əng_r.a (p i cai i-ən				2		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	
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0.5	2	$\sum$				$\sum$		$\sum_{i=1}^{n}$
1.2 1.4	1.6 1.8 2	2.2 2.4 2.6	2.8 3 3.2 3	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6 A	5.8 6 6.2 Acquisition Time (min)
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	_	
6-MAM 7-aminoclonazenam	3.109 4.224	551 5710	1438.41 87.89	70.5 80.6	2440.51 446.13	24950 47411	0.5329 ng/ml 4.8381 na/ml	
a-hydroxyalprazolam	5.673	441	58.55	60.0	342.81	4562		
alpha-PVP	4.330	36168	478.40	48.0	384.44 524.40	308517		
Alprazolam Amnhetamine	5.749 3.041	47703	00.20	52.7	204.49 488.74	98707	111/611 coo/.c 14.8744 na/ml	
Benzoylecgonine	3.847	2000	47.41	6.3	1345.21	7878		
Buprenorphine	5.692	287	161.43	13.7	88.99	17347		
Bupropion Caricoprodol	4.752 E 70E	21769 8960	1093.89 21483 58	57.7 52.4	528.61 142 FD	153996 85880	4.6533 ng/ml 5.0505 ng/ml	
Citalopram	5.201	17762	417.65	44.6	8145.02	165585		
Clonazepam	5.579	1278	110.06	31.2	8	4619		
Cocaine	4.23/	33794 1070	16984.10	43.5 102 4	24.2d2	106126	1m/pu 2022.2	
codeine Cyclobenzaprine	5.603	7237	55983.18	12.8	61.90	50702 64320	111/611 6060.c	
Dextromethorphan	5.231	8790	456.40	79.6	2533.60	75947		
Dextrorphan	4.093	10253	1322.30	201.2	4594.96	255815	4 9773 nn/ml	



AM

### ng/ml ng/ml lm/gr ng/ml lm/gn Im/gn Final Conc. 4.7868 ng/ml lm/gr lm/gn lm/gn lm/gn lm/gn lm/gn lm/gn lm/gn lm/gn lm/gr lm/gn Im/gn ng/ml ng/ml lm/gr lm/gn lm/gr lm/gn ng/ml lm/gn lm/gn lm/gr ng/ml ng/m lm/gn lm/gr ng/ml ng/mi 4.9411 4.9758 2.2526 4.9453 4.9009 4.9180 5.0458 5.0334 4.9420 0.5213 5.2247 0.5271 0.5071 6.9958 5.0247 3.5372 4.9811 5.0339 4.8625 5.0468 0.4906 4.9546 4.9057 4.9560 5.3159 6.2169 5.0841 4.9427 4.9868 4.9387 4.9351 5.0673 f.8427 1.9306 4.8777 α 303.19 25.51 291.45 56.07 92.50 881.39 571.74 1.71 **Low** 1.71 **Low** 1.71 **Low** 1.00.89 340.30 5.03 **Low** 1228.41 982.62 43.35 419.79 327.00 453.47 1.65 **Low** 24.35 437.85 154.26 1358.31 154.26 1358.31 3459.76 333.73 1352.78 ∞ 45.42 10.76 87.56 **S/N** 1090.18 1458.63 5738.21 ∞ 21.0 51.7 51.7 37.9 37.9 47.9 6.3 96.1 **High** 30.5 30.5 30.5 33.5 33.6 33.0 3.4 76.9 34.5 32.7 Ratio 67.5 31.6 99.7 42.3 79.2 7.3 37.4 75.5 78.7 59.2 29.0 53.3 42.4 93.1 49.0 39.7 37.1 275.83 139.91 26184.21 1497.88 5222.65 1282.26 1282.29 2222.65 1282.29 222.65 1073.32 325.89 271.84 1503.42 6.22 Low 129.68 129.68 181.27 1434.19 410.95 0.79 Low 619.05 223.40 66.30 1990.79 754.51 114.79 120.54 120.54 7658.80 2364.01 2209.55 389.18 395.57 117.69 549.42 ∞ 567.51 3142.15 8 S/N 5.7035.7045.70455.0455.0455.0455.0455.0455.0455.7265.7205.7205.7205.7235.7235.7235.7233.2025.7235.7735.7235.77235.7735.4.212 5.045 5.007 4.804 **RT** 2.514 5.265 D-desmethyl-tramadol **Aethamphetamine** Vorbuprenorphine Dihydrocodeine Diphenhydramine Vorhydrocodone **Hydromorphone** Voroxycodone Dxymorphone Promethazine **Aeprobamate** Vordiazepam Hydrocodone hentermine Vorfentanyl amotrigine Virtazapine Vitragynine Temazepam /enlafaxine 1ethadone Oxycodone Doxylamine Quetiapine orazepam **1etoproloi** Dxazepam **Frazodone Aorphine** Huoxetine Sertraline -ramadol (etamine Zolpidem -entanyl Name EDDP

Generated at 11:50 AM on 9/11/2019

Batch results Calibration Last Update	D:\MassHunte 9/11/2019 11	er\Data\2019\AM .:38:29 AM	28\091019 MDQ TS	reinjects\QuantRes	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	TS.batch.bin		
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco Cal MDQ P1 Combined 082219.m P2-G12 1 9/10/2019 9:42:52 AM	d 082219.m 2 AM	Data File Sample Operator Comment		p1 Cal 2- 10ng_r.d p1 Cal 2- 10ng_r	T		
Sample Chromatogram + TiC MRM (** -> **) p1 Cal 2-	Sample Chromatogram + TiC MRM (** -> **) p1 Cai 2- 10ng_r.d (p1 Cai 2- 10ng_r)	()	~		Σ			
Counts 2.5- 2.5-								
3								
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0.5-	<	$\leq$						M
12 1.4	1.6 1.8 2 2.2	2.4 2.6	2.8 3 3.2 3	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6	5.8 6 6.2 Acquisition Time (min)
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM 7_aminoclonazenam	3.109 4 224	1067 11159	365.39 3246.92	6.77 80.5	287.20 1389.35	47576		
a-hydroxyalprazolam	5.666	805	123.87	64.1	1512.23	4585		
alpha-PVP	4.330	71778	1547.96	47.4	253/4.49 F60.26	31/11U	9.9422 ng/mi 10.0754 ng/mi	
Alprazolam	5.749	23338	309.89	110./ 56.4	509.50 1406.86	104574	10.1947 na/ml	
Amphetamine	2.041 2.847	23775	94.07	7.1	53.04	8345		
Bunrenornhine	5,685	475	364.62	14.3	201.49	14646		
Bunronion	4.752	42026	826.64	58.1	1855.00	152348		
Carisoprodol	5.705	17003	1095.73	58.9	119.43	86171		
Citalopram	5.195	28777	215.88	43.9	3745.89	136596		
Clonazepam	5.579	2589	144.04	31.4	2180.52	520840	10.2015 ng/ml	
Cocaine	4.230 2.556	6/1/9 7857	104.08	108.0	1104 67	37735		
Codeine Codeine	2,230 5,602	10475	36750 36	12.8	76.91	46531		
Cyclobenzaprine Devtromethornhan	5.231	13885	637.37	81.4	588.61	62199		
Dextrornhan	4.093	19734	762.01	204.2	2053.98	254869	9 8921 nn/ml	



Name	ΡT	Recn	s/N	Ratio	N/S	TSTD Resn.	Final Conc.
Dihvdrocodeine	2.508	21594	1578.51	66.1	2937.45	122745	10.2992 na/m
Diphenhydramine	5.265	75493	1273.17	31.1	701.67	514611	
Doxylamine	4.494	150828	1302.58	9.66	4945.12	658673	9.8324 ng/ml
EDDP	5.216	53291	5740.58	41.0	644.83	285596	
Fentanyl	5.045	1312	58.31	61.6	2391.18	71021	
Fluoxetine	5.701	11083	631.02	9.5	172.68	44869	10.0706 ng/ml
Hydrocodone	2.978	19581	83.73	36.5	187.49	121880	
Hydromorphone	1.594	15229	308.84	75.0	951.07	55744	
Ketamine	4.006	59292	2994.71	36.5	185.00	265448	
Lamotrígine	4.261	4164	1622.02	77.3	1188.96	265448	
Lorazepam	5.727	707	42.16	50.1	2.56 Low	4478	
Meprobamate	4.881	4390	405.41	26.7	21.24	21019	
Methadone	5.634	30138	918.85	54.5	1111.97	146436	
Methamphetamine	3.202	73672	737.52	44.3	246.84	270355	
Metoprolol	4.299	16183	64402.24	94.2	8	707545	
Mirtazapine	4.569	53423	7156.19	48.7	1879.76	317110	
Mitragynine	5.173	3676	7382.35	35.8	2462.89	146436	
Morphine	1.240	3217	1687.81	20.2	325.51	4153	
Norbuprenorphine	4.956	27	11.82	95,9	47.53	1027	
Nordiazepam	5.880	3004	7535.98	57.0	159.93	10434	
Norfentanyl	4.054	9678	3599.20	37.0	1477.31	432545	
Norhydrocodone	3.039	800	85.97	22.3	410.63	33260	
Noroxycodone	2.883	12752	1782.57	47.7	4357.62	38156	
O-desmethyl-tramadol	3.341	143051	1917.71	6.1	8	750056	9.8763 ng/ml
Oxazepam	5.730	1084	10.57	64.0	5.18 Low	5978	
Oxycodone	2.787	35462	666.21	30.3	409.19	163646	
Oxymorphone	1.390	8482	151.89	48.3	358.30	31679	
Phentermine	3.758	23783	182.88	2.9	30.74	263027	
Promethazine	5.513	19838	5977.55	31.2	81.60	89356	
Quetiapine	5.503	38585	397.31	55.0	8	52856	
Sertraline	5.763	5483	165.05	92.1	133.42	25103	
Temazepam	5.797	12003	112.30	33.8	10.95	62304	
Tramadol	4.212	140839	5636.60	3.5	8	707545	
Trazodone	5.045	27697	4747.20	7.77	8	118523	
Venlafaxine	5.007	105822	8761.19	35.5	1146.15	539987	9.9591 ng/ml
Zolpidem	4.804	116283	1021.84	33.3	391.69	555952	

Generated at 11:50 AM on 9/11/2019

a File a	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	\QuantResults\MDQ wklst 3645	rS.batch.bin		
3-25ng_r/d (p1 Cal 3 -25ng_r) 3-25ng_r/d (p1 Cal 3 -25ng_r) 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.109 2705 10632.9 4.217 2053 11063.29 4.230 172420 16731.65 5.566 172420 16731.65 5.5749 5.533 114.16 1.72420 16731.65 1.7243 6059.44 2.7287 6059.44 2.7287 6059.44 2.7288 773.26 2.226.41 2.7288 773.26 2.226.41 2.226.	.219.m	p1 Cal 3 -25ng_r.d p1 Cal 3 -25ng_r	_		
3-25ng_r.d (p1 Cal 3 - 25ng_r) 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 1.6 1.8 2 2.2 2.4 2.6 2.8 3 3.2 3.4 3.109 2.705 1063.29 4.217 2.063 117420 16731.65 5.749 2.705 1053.29 4.330 5579 553.11 3583.44 7.752 91335 773.66 114.16 4.330 2.705 105731.55 5.749 2.15311 3583.44 7.752 91335 773.66 114.16 4.257 553.11 3583.44 7.752 91335 773.66 114.16 4.257 553.11 3583.44 7.752 91335 773.66 124.01 4.230 16731.65 5.799 533.13 124.01 4.257 91238 930.04 5.579 6788 214.01 4.250 162349 26333.79 162349 26333.79 162349 26333.79 162849 26333.79 16786 218 16786 218 17286 218 16786 218 16786 218 16786 218 16786 218 16786 218 16786 218 16786 218 16786 218 17286 218 17286 218 16776 218 17286 218 16776 218 17286 218 1728					
$ \begin{array}{c ccccc} & & & & & & & \\ \hline 1.2 & 1.4 & 1.6 & 1.8 & 2 & 2.2 & 2.4 & 2.6 & 2.8 & 3 & 3.2 & 3.4 \\ \hline 1.2 & 1.4 & 1.6 & 1.8 & 2 & 2.2 & 2.4 & 2.6 & 2.8 & 3 & 3.2 & 3.4 \\ \hline 1.2 & 1.4 & 1.6 & 1.8 & 2 & 2.2 & 2.4 & 2.6 & 2.8 & 3 & 3.2 & 3.4 \\ \hline 1.2 & 1.4 & 1.6 & 1.8 & 2 & 2.2 & 2.4 & 2.6 & 2.8 & 3 & 3.2 & 3.4 \\ \hline 2.226.66 & 1.72287 & 6059.44 & 7065 & 1144.16 & 1144.16 & 127420 & 16731.65 & 1144.16 & 1144.1$	(J)		and a many first of the first o		
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2     1     1.6     1.8     2     2.2     2.4     2.6     2.8     3     3.2     3.4       1.2     1.4     1.6     1.8     2     2.2     2.4     2.6     2.8     3     3.2     3.4       1.2     1.4     1.6     1.8     2     2.2     2.4     2.6     2.8     3     3.2     3.4       200axeepam     3.109     2.7787     5053.44     5.749     5.749     5.749     5.749     5.711     5.561     114.16     114.16       VP     4.330     172420     16731.65     114.16     114.16     114.16       VP     5.749     5.749     553.11     3.583.44     215311     3583.44       VP     5.749     5.1511     3583.44     773.26     91335     773.26       orphine     5.705     91335     773.26     91335     773.26       ormodol     5.705     91335     773.26     930.04       e     2.535     91335     773.26     930.04       e     2.535     91335     773.26     930.04       e     2.535     91335     773.26     930.04       e     2.536     91335     773.26     930.04       e<					
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RT         Resp. $S/N$ R $RT$ $Rrsp.$ $S/N$ $R$ $3.109$ $3.109$ $2705$ $1063.29$ $114.16$ $3.109$ $5.666$ $27287$ $6059.44$ $114.16$ $3.109$ $5.666$ $172420$ $114.16$ $114.16$ $3.034$ $5.749$ $59797$ $553.11$ $114.16$ $3.034$ $5.7795$ $1172420$ $16731.65$ $114.16$ $3.034$ $5.7795$ $1072311$ $3583.44$ $7905$ $52226.41$ $356.44$ $7905$ $215311$ $3583.44$ $7905$ $22226.41$ $356.84$ $600$ $5.705$ $91335$ $773.26$ $91335$ $773.26$ $600$ $5.705$ $91335$ $773.26$ $930.04$ $91228$ $930.04$ $600$ $5.705$ $91235$ $773.26$ $930.04$ $91228$ $930.04$ $610$ $5.705$ $91228$ $91228$ $930.04$ $923333.79$ <	2.6 2.8 3 3.2 3.4	3.8 4 4.2 4.4	4.6 4.8	5.2 5.4 5.6 5.8 6 6.2 Acquisition Time (min)	6.2 e (min)
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4.217 $2.7287$ $6059.44$ $5.666$ $2.063$ $114.16$ $5.749$ $59797$ $553.11$ $5.749$ $59797$ $553.11$ $3.034$ $215311$ $3583.44$ $3.034$ $215311$ $3583.44$ $3.034$ $215311$ $3583.44$ $3.034$ $215311$ $3583.44$ $3.840$ $7905$ $2226.41$ $5.692$ $91335$ $773.26$ $4.752$ $91335$ $773.26$ $5.705$ $91335$ $773.26$ $5.705$ $91228$ $930.04$ $5.705$ $91228$ $930.04$ $5.705$ $6788$ $214.01$ $4.230$ $162349$ $26333.79$ $1$ $5.536$ $19081$ $8029.76$ $1$ $5.603$ $44950$ $3316.19$ $1$	1063.29	1	25268		
4.330 $172420$ $16731.65$ 5.749       59797 $553.11$ $1$ 3.034 $215311$ $3583.44$ $3583.44$ 3.840 $7905$ $553.11$ $3583.44$ $3.840$ $7905$ $215311$ $3583.44$ $3.840$ $7905$ $215311$ $3583.44$ $5.692$ $1098$ $376.84$ $773.26$ $4.752$ $91335$ $773.26$ $91326$ $4.752$ $91335$ $773.26$ $930.04$ $5.705$ $91228$ $930.04$ $930.04$ $5.705$ $6788$ $214.01$ $162349$ $26333.79$ $2.536$ $162349$ $26333.79$ $12633.79$ $15633$ $2.536$ $19081$ $8029.76$ $1$ $5.603$ $44950$ $3316.19$ $1$	6059.44 114 16	1.4 2288.80 8.7 m	45953 4800	26.8551 ng/ml 24_1166 ng/ml	
5.749         59797         553.11         1           ine $3.034$ $215311$ $353.44$ $3683.44$ inite $3.034$ $215311$ $3583.44$ $3583.44$ inite $3.034$ $215311$ $3583.44$ $356.641$ $356.641$ inite $5.692$ $1098$ $376.84$ $376.84$ $376.84$ oli $5.705$ $91335$ $773.26$ $91335$ $773.26$ ol $5.705$ $91335$ $773.26$ $930.04$ $\infty$ n $5.705$ $91228$ $930.04$ $\infty$ $\infty$ n $5.579$ $6788$ $214.01$ $\infty$ $\infty$ n $5.536$ $162349$ $26333.79$ $1$ $2.536$ $19081$ $8029.76$ $1$ $1$ pprine $5.603$ $44950$ $3316.19$ $1$	16731.65		307746		
infine         5.034 $L15511$ $5585.44$ acgonine $3.840$ $7905$ $2226.41$ rphine $5.692$ $1098$ $376.84$ n $4.752$ $91335$ $773.26$ odol $5.705$ $91238$ $930.04$ am $5.705$ $91228$ $930.04$ am $5.195$ $91228$ $930.04$ am $5.579$ $6788$ $214.01$ am $5.579$ $162349$ $26333.79$ am $2.536$ $19081$ $8029.76$ $1$ $2.536$ $19081$ $8029.76$ $1$ $1$	553.11	3.9 826.12	76522	24.6024 ng/ml	
Transmission       5.692       1098       376.84         Transmission $4.752$ $91335$ $773.26$ Transmission $4.752$ $91335$ $773.26$ Transmission $4.752$ $91335$ $773.26$ Transmission $5.705$ $43678$ $930.04$ Transmission $5.195$ $91228$ $930.04$ Transmission $5.579$ $6778$ $214.01$ Transmission $6788$ $214.01$ $6788$ $214.01$ Transmission $6778$ $26333.79$ $26333.79$ $122349$ $26333.79$ $1228$ $26333.79$ $1228$ $12081$ $8029.76$ $1228$ $126333.79$ $1228$ $126333.79$ $1228$ $128$ $1288$	2226.41		8490 8490	22.9520 na/ml	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	376.84		15460		
odol         5.105         4.30/6         0.00           am         5.195         91228         930.04           bar         5.195         91228         930.04           bar         5.579         6788         214.01           bar         5.579         162349         26333.79           bar         2.536         19081         8029.76         1           barbar         5.603         44950         3316.19         1	773.26	7.9 644.98	136861	25.4093 ng/ml	
Dam         5.579         6788         214.01           Dam         5.579         162349         26333.79           4.230         152349         26333.79         1           2.536         19081         8029.76         1           7zaprine         5.603         44950         3316.19         1	930.04	-	171586	25.3531 ng/ml	
4.230     162349     26333.79       2.536     19081     8029.76     1       2.5603     44950     3316.19	214.01		4704		
2.536 19081 8029.76 1 Jzaprine 5.603 44950 3316.19	26333.79		534463		
	3316 19	2.9 2815.82 2.0 758.41	30210 82197	25.0707 ng/mi 24.5510 ng/mi	
an 5.231 41564 1379.66	1379.66		77660		ł
4.086 50091 21774.48 2	21774.48	1(	262032		Ķ,
Diazepam 5.934 45842 1797.24 89.2	1797.24	9.2 495.48	88168	25.1102 ng/ml	

P



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.508	53804	409.44	66.0	2806.11	122834	26.9491 ng/ml
Diphenhydramine	5,265	207230	1878.65	31.6	2541.74	570709	24.9261 ng/ml
Doxylamine	4.494	366215	150150.05	99.1	445.54	642990	-
EDDP	5.216	137839	1064.78	41.5	1573.35	301222	-
Fentanyl	5.045	4411	709.32	74.3	8	60307	-
Fluoxetine	5.695	51110	439.24	8.6	501.80	85007	-
Hydrocodone	2.978	48073	8	38.5	140.61	124689	25.0707 ng/ml
Hydromorphone	1.587	37099	740.99	77.0	8	56189	-
Ketamine	3.999	144015	1008.50	38.2	556.71	263582	-
Lamotrigine	4.261	10562	1119.74	79.3	2839.19	263582	-
Lorazepam	5.720	1947	8	46.7	10.32	4704	-
Meprobamate	4.881	10565	722.59	25.1	8	21715	-
Methadone	5.634	99857	577.51	52.6	1651.62	193499	-
Methamphetamine	3.202	157707	526.98	42.0	569.63	238004	-
Metoprolol	4.292	40027	162327.40	94.1	5493.04	716918	~
Mirtazapine	4.569	144895	12000.93	49.9	21381.79	307746	-
Mitragynine	5.173	10069	33369.73	37.5	9844.58	193499	-
Morphine	1.233	7976	3300.06	20.7	202.82	4214	-
Norbuprenorphine	4.956	54	7.44 Low	72.3 Low	137.91	886	2.8683 ng/ml
Nordiazepam	5.874	8284	511.78	59.1	1124.25	10882	-
Norfentanyl	4.054	22386	5338.38	37.3	263.33	422342	-
Norhydrocodone	3.039	1902	137.99	23.0	31.42	33499	-
Noroxycodone	2.883	31460	727.26	46.0	456.23	37981	-
O-desmethyi-tramadoi	3.341	357536	2671.03	6.1	642.14	754108	25.0126 ng/ml
Oxazepam	5.730	2485	30.53	77.7	10.52	5954	-
Oxycodone	2.787	86537	3269.32	30.0	1241.73	164127	-
Oxymorphone	1.390	21316	202.86	46.9	488.03	32331	-
Phentermine	3.758	56373	71.43	2.7	81.54	247612	-
Promethazine	5.513	85454	8	30.6	1044.60	154886	-
Quetiapine	5.503	123632	21474.43	55.4	684.02	68839	-
Sertraline	5.763	26463	2509.46	0.06	498.12	47560	-
Temazepam	5.791	29119	423.44	30.8	42.03	65233	~
Tramadol	4.206	342269	1698.05	3.5	469.73	716918	-
Trazodone	5.045	89820	33188.45	77.4	66957.59	156381	~
Venlafaxine	5.007	265476	10845.03	35.5	702.00	548375	24.8675 ng/ml
zolpidem	4.804	284053	859.49	32./	10/2/.28	0c85cc	Z5.339 ng/ml

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Batch results Calibration Last Update Instrument Type Acq. Method Sample Position Iniection Volume							
_	D:\/MassHunter\Data\20 9/11/2019 11:38:29 AM	D:\/MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	2 TS reinjects\QuantRe	sults\MDQ wklst 3645	5 TS.batch.bin		
	Falco Cal MDQ P1 Combined 082219.m P2-E12 1 9/10/2019 10:18:53 AM	Data File Sample Operator Comment	file le ator nent	p1 Cal 4-50ng.d p1 Cal 4-50ng			
Sample Chromatogram							
+ TIC MRM (** -> **) p1 Cal 4-50ng.d (p1 Cal 4-50ng) 10 10 10 10 10 10 10 10 10 10 10 10 10	(p1 Cal 4-50ng)		<ul><li></li></ul>				
<	<	M					
1.4	1.8 2 2.2 2.4 2	2.6 2.8 3 3.2	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6	5.8 6 6.2 Acquisition Time (min)
RT 2 102	RT Resp.		Ratio	S/N	ISTD Resp.	-	
7-aminoclonazepam 4.217		,	82.0	1128.39 8980.58	24998 45495	4.8969 ng/ml 53.9807 ng/ml	
a-hydroxyalprazolam 5.666 aloha-pvp 4.330	3488 3488 3488 340203	108.24 3 2010 28	74.0 47 7	804.61 1712 95	4125 303282		
5.742			108.0	495.60	67130		
	34 398995	12	56.5 1	5252.74	91383		
beitzöyledunine Bubrenorphine 5.692		7 8 7 17 7 0 7	7.b 16.3	607.88	841b 11432	46.1/45 ng/ml 5 8856 ng/ml	
4.752	16	17855.	58.1	3091.91	124213		
5.705			57.5	282.17	81464		
5.195	-		44.0	650.55	162706		
5.579	79 12238 30 323000	8 264.74 0 32172 58	33.3 43 7	877.93 21274 84	4157 52520	52.8456 ng/ml	
2.536			110.3	1090.40	36671	49.4296 na/ml	
			11.1	322.34	73231		
Dextromethorphan 5.224 Dextromhan 4.086	24 76473 86 98778	3 102.31 8 10749.83	82.7 205 2	2197.73 1405 30	69501 752805	51.2397 ng/ml	
5.934			87.5	1315.87	77807	_	K.



Name	RT	Resp.	S/N	Ratio	s/N	ISTD Resp.	
Dihvdrocodeine	2.508	110802	23765.77	65.9	17468.55	125130	55.3743
Diphenhvdramine	5.265	378046	1703.29	32.1	5770.14	513623	50.6655
Doxylamine	4.494	726124	59243.31	99.1	3906.95	629325	51.5152
EDDP	5.216	268488	8	41.6	639.64	292880	49.9108
Fentanyl	5.045	7839	318.52	72.5	1933.57	86877	5.0049
Fluoxetine	5.695	89471	824.80	8.8	444.55	72164	52.3797
Hvdrocodone	2.978	95656	433.59	38.4	214.72	126163	52.0196
Hvdromorphone	1.594	75599	836.74	75.6	1432.28	56926	50.1456
Ketamine	3.999	291821	19548.28	38.0	1735.24	266135	51.7653 ng/ml
Lamotrigine	4.261	20645	2225.73	80.7	2234.18	266135	51.9953
Lorazepam	5.720	3920	153.29	48.4	6.12 Low	4157	58.4009
Meprobamate	4.881	20739	3004.32	27.6	401.41	21157	50.3520
Methadone	5.634	181942	941.19	53.9	2629.50	171528	51.8208
Methamohetamine	3.202	287867	604.75	43.4	975.72	224182	53.4424
Metoproloi	4.292	80333	6750.72	93.2	8	730000	53.4538
Mirtazapine	4.569	264108	29842.84	50.1	7070.51	303282	53.1365
Mitraavnine	5.173	18678	2083.73	37.8	450.37	171528	46.4841
Morphine	1.246	15916	545.12	20.8	284.09	3923	54.4468
Norbuprenorphine	4.942	75	4.79 Low	125.6 High	366.62	919	4.2905
Nordiazepam	5.874	15060	485.58	57.4	429.73	9875	50.9686
Norfentanyl	4.054	45480	1116.17	36.8	1282.38	413735	5.0137
Norhydrocodone	3.032	4604	8	26.5	70.86	33739	45.4026
Noroxycodone	2.876	63533	8	46.8	1454.70	38771	51.5600
O-desmethyl-tramadol	3.341	734283	4298.44	6.2	873.98	770377	50.5977
Oxazepam	5.730	5013	394.02	78.8	24.33	5702	54.1091
Oxycodone	2.787	180870	3611.79	30.3	2044.99	168140	51.6946
Oxymorphone	1.396	42351	1007.75	48.0	462.83	32622	48.9873
Phentermine	3.758	103586	271.09	2.6	215.93	229657	54.1997
Promethazine	5.513	148894	6589.81	30.9	760.87	135500	50.8504
Ouetiapine	5.503	216176	13303.60	55.2	8	62208	49.4837
Sertraline	5.763	43854	529.01	89.1	1071.79	38281	50.9541
Temazepam	5.791	56154	726.13	32.8	98.55	61260	50.8128
Tramadol	4.206	690596	3370.41	3.4	542.89	730000	51.2755
Trazodone	5.045	166574	7073.16	76.5	68072.73	140385	46.8113
Venlafaxine	5.007	524228	4943.19	35.4	2701.92	535238	50.4953
Zolpidem	4.804	580298	56094,26	32.6	65460.67	564175	51.1710

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S			5.8 6.2 Acquisition Time (min)		99.7473 ng/ml 99.7473 ng/ml 99.7473 ng/ml Generated at 11.50 AM on 9/11/2019
Results			5.2 5.4 5.6	Final Conc. 9.8002 ng/ml 94.7399 ng/ml 94.7399 ng/ml 93.0409 ng/ml 101.4480 ng/ml 105.5841 ng/ml 102.743 ng/ml 102.0770 ng/ml 96.5266 ng/ml 96.5266 ng/ml 98.7503 ng/ml	10.8703 ng/ml 99.9193 ng/ml 100.8703 ng/ml 99.7473 ng/ml Generated at 1
L. Re IS.batch.bin			4.6 4.8 5	ISTD Resp. 22586 43464 4660 246501 72071 66411 8129 10093 88178 88178 88178 88178 88178 88178 88178 88178 88178 88178 88178 32072	47350 47350 195268 81580
<b>#28 Multi-Drug Quant.</b> F	p1 Cal 5-100ng.d p1 Cal 5-100ng		4 4.2 4.4 4	<b>S/N</b> 1567.18 636.29 367.16 799.67 1937.51 1937.51 1937.51 1937.51 1940.37 948.46 5023.37 1410.37 867.85 20939.62 20939.62 20939.62 20939.62 20939.62 20939.62 20939.62 20939.62	703-00 36824.02 7075.15 587.40
reinjects/QuantRe	e t		3.4 3.6 3.8	<b>Ratio</b> 75.0 82.5 82.5 73.9 107.9 56.3 56.3 56.3 56.3 56.3 56.3 56.3 56.3	82.2 82.2 205.0 88.4 Page 1 of 2
	Data File Sample Operator Comment		28 3 32	<b>S/N</b> 671.77 3308.37 158.48 3729.74 1198.78 4731.91 366.52 931.28 936.522 931.28 936.522 931.28 931.28 938.47 17997.27 918.00 4889.40 4889.40	914.01 1219.25 3980.49
<b># 28 MU</b> D:\MassHunter\Data\2019\AN 9/11/2019 11:38:29 AM	Falco Cal MDQ P1 Combined 082219.m P2-D12 1 9/10/2019 10:29:30 AM	(Jng)	22 24 2.6	Resp. 9612 9612 99931 7703 545634 219577 557415 33996 23996 233996 23396 23396 23396 2331428 236097 231428 231428 231428 231428 235097 65981	1110/ 11112 149977 166803
5	Falco Cal MDQ P1 Combined 0822 P2-D12 1 9/10/2019 10:29:30 AM	5-100ng.d (p1 Cal 5-10	1.6 1.8 2	<b>RT</b> 3.103 5.666 5.7666 5.7330 5.795 5.775 5.795 5.7755 5.7755 5.7755 5.7755 5.7755 5.7755 5.77555 5.775555 5.7755555555	5.224 5.224 5.934
AL Batch results Calibration Last Update	Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Sample Chromatogram + TIC MRM (** -> **) p1 Cal 5-100ng.d (p1 Cal 5-100ng) C0 7- 6- 5- 4- 4-	2	Name 6-MAM 7-aminocdonazepam a-hydroxyalprazolam alpha-PVP Alprazolam Amphetamine Benzoylecgonine Buprenorphine Buprenorphine Bupropion Carisoprodol Citalopram Clonazepam Cocaine Cocaine	Cyclobertraphine Dextromethorphan Dextrorphan Diazepam D1 Cal 5-100ng



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
Dihydrocodeine	2.508	190907	14714.81	67.6	5306.60	114233	105.2859 ng/ml	
Diphenhydramine	5.265	494415	2276.83	31.8	8305.14	346566	98.3288 ng/ml	
Doxylamine	4,494	1172714	78326.14	99.2	208126.27	525202	_	
EDDP	5.216	356712	2552.07	41.9	1966.66	195705	_	
Fentanyl	5.045	10391	705.40	73.0	1287.96	58902	_	
Fluoxetine	5.695	126812	1259.97	8.5	863.31	53882	_	
Hydrocodone	2.978	171994	8	37.9	299.37	109738	_	
Hydromorphone	1.587	131987	2092.63	75.3	1473.70	50074	99.8209 ng/ml	
Ketamine	3.999	495393	2795.43	37.7	2454.85	231101	_	
Lamotrigine	4.261	35736	7239.72	80.5	1973.53	231101	_	
Lorazepam	5.720	7100	159.44	53.8	13.42	4579	_	
Meprobamate	4.881	40332	18884.39	26.4	578.11	20787	_	
Methadone	5.634	243419	1775.05	52.8	803.94	118186	_	
Methamphetamine	3,195	340303	1374.69	43.3	698.47	139261	_	
Metoprolol	4.292	132478	339105.54	93.7	8	620015	_	
Mirtazapine	4.569	348314	60095.61	49.6	13845.18	246501	-	
Mitragynine	5.173	27405	7258.03	36.9	418.05	118186	-	
Morphine	1.233	27387	1326.36	20.8	1631.83	3685	-	
Norbuprenorphine	4.963	117	626.01	98.5	400.65	684		
Nordiazepam	5.874	31606	2569.62	58.6	951.17	10840	_	
Norfentanyl	4.054	75602	4093.94	37.5	416.07	356568	-	
Norhydrocodone	3,032	8388	8	27.2	121.81	29728	_	
Noroxycodone	2.876	109619	3258.33	47.8	1625.45	34240	-	
O-desmethyl-tramadol	3.341	1301656	105131.97	6.1	2059.66	693696	-	
Oxazepam	5.730	8774	110.23	65.3	32.93	5581	-	
Oxycodone	2.787	315995	2980.48	30.5	3640.97	152532	_	
Oxymorphone	1.390	77184	631.83	46.2	8	29495	_	
Phentermine	3.758	145092	551.17	2.7	191.44	168758	_	
Promethazine	5.513	215285	8	30.6	482.01	100513	_	
Quetiapine	5.503	329998	807.71	54.9	1318.58	46059	-	
Sertraline	5.763	66064	1500.78	93.6	682.33	30074		
Temazepam	5.791	109363	1580.12	31.1	340.52	60109		
Tramadol	4.206	1163122	2931.49	3.4	768.63	620015		
Trazodone	5.045	223781	29271.38	76.7	8	97020		
Venlafaxine	5.007	848199	55612.64	35.7	3503.74	442457	99.0060 ng/ml	
Zolpidem	4.804	1005840	1580.45	32.6	931.04	496037	3	

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Batch results Calibration Last Update		D:\MassHunter\Data\2019\AI 9/11/2019 11:38:29 AM	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	reinjects\QuantRe:	sults/MDQ wkist 3645	TS.batch.bin		
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco Cal MDQ P1 Combined 0822 P2-C12 1 9/10/2019 10:39:58 AM	Falco Cal MDQ P1 Combined 082219.m P2-C12 1 9/10/2019 10:39:58 AM	Data File Sample Operator Comment		p1 Cal 6-250ng.d p1 Cal 6-250ng			
<b>Sample Chromatogram</b> + TIC MRM (** -> **) p1 Cal 6-250ng.d (p1 Cal 6-250ng)	5-250ng.d (p1 Cal 6-2	(50ng)						
shunoD								
1.2	1.6 1.8 2-	2.2 2.4 2.6	2.8 3 3.2 3	3.4 3.6 3.8	4.2 4.4	4.6 4.8	5.2 5.4 5.6	5.8 6 6.2 Acquisition Time (min)
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.		
6-MAM 7aminoclonazepam	3.103 4.217	24143 217348	3490.72 27846.62	74.6 81.8	3217.48 6434.56	22496 39684	24.6739 ng/ml 254.0797 ng/ml	
a-hydroxyalprazolam	5.666	20185	815.34	67.2	439.29	4747		
alpna-PVP Albrazolam	4,230 5,749	517513 517513	2104.53	48.5 108.3	cu.ecus 2225.41	219292	238.0077 ng/ml	
Amphetamine	3.034	1069251	10571.49	56.0	17285.07	52795		
Benzoylecgonine	3.840	106517	2946.91	7.4	8	8344		
Buprenorphine	5.692 4 753	4569 417753	244.51 130420 88	14.9 78 1	194.90 0517 45	6440 64306	25.1850 ng/ml	
Carisoprodol	5.705	410328	4236.59	J0.1 55.2	1278.89	87730		
Citalopram	5.195	416619	1192.28	42.8	4413.20	79255		
Clonazepam	5.579	64982 1274610	29586.46	31.0	8 0000	4647		
Codeine	0C2.4	991771	000964.20 314.73	105.5	1936.06	30046	246./21U ng/ml 251 5429 ng/ml	
Cyclobenzaprine	5.603	194631	746.96	11.8	1541.86	35626		
Dextromethorphan	5.231	172581	1730.44	81.3	659.10	32166		
Dextrorphan	4,086	301358	2611.16	206.5	2110.16	158535	250.1010 ng/ml	
		10000	7467 57	C-1 -1		() () ()		•



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihvdrocodeine	2.508	466009	6806.36	68.5	53104.19	116946	
Diphenhvdramine	5.265	874853	59761.50	31.8	12645.19	243716	_
Doxvlamine	4.494	2674742	268030.16	98.9	165363.92	474559	
EDDP	5.216	651540	3783.66	42.1	48096.96	142438	
Fentanyl	5.045	17103	1842.03	76.4	364.63	38868	
Fluoxetine	5.695	208590	1327.79	8.6	1030.61	35741	
Hydrocodone	2.978	404423	8	40.0	8	107871	
Hydromorphone	1.587	323745	2322.48	76.9	1861.03	48740	
Ketamine	3.999	1198838	70602.74	37.9	6840.38	224992	253.8363 ng/ml
Lamotrigine	4,261	84244	18492.19	81.0	7628.15	224992	
Lorazepam	5.720	17624	466.72	49.6	68.40	4647	248.5802 ng/ml
Meprobamate	4.881	106780	31605.43	26.4	485.65	21552	
Methadone	5.634	411439	8909.85	53.2	17539.62	81794	
Methamphetamine	3.195	677114	2410.47	42.9	933.95	116462	
Metoprolol	4.292	290240	8	93.4	8	588448	-
Mirtazapine	4.562	623712	171337.91	49.4	41760.36	219292	
Mitraqvnine	5.173	50329	68427.91	35.9	68064.31	81794	
Morphine	1.233	63209	1486.62	20.8	222.83	3407	
Norbuprenorphine	4.956	308	2647.66	83.7	900.81	581	_
Nordiazepam	5.874	75536	1061.56	58.2	4861.88	9935	-
Norfentanyl	4.054	184195	3778.26	37.2	8	336571	_
Norhydrocodone	3.032	23655	272.56	28.9	412.31	29344	_
Noroxycodone	2.876	265393	869.35	46.7	1147.96	33749	-
O-desmethyl-tramadol	3.341	3286833	3113.12	6.3	3921.61	699963	250.4892 ng/ml
Oxazepam	5.730	21270	138.47	72.4	38.90	5376	254.6257 ng/ml
Oxycodone	2.787	797101	2851.52	30.5	2458.33	154040	250.6506 ng/ml
Oxymorphone	1.390	189563	1925.59	44.9	974.13	28960	-
Phentermine	3.758	288451	1460.72	2.7	807.80	140815	_
Promethazine	5.513	373965	1666.33	30.7	1420.00	70235	_
Ouetiapine	5.503	628900	113303.37	54.7	2555.00	35162	-
Sertraline	5.763	109468	2707.80	94.0	2222.43	20083	3
Temazepam	5.791	279274	8	31.4	393.30	62702	<u> </u>
Tramadol	4.206	2744671	183062.52	3.5	707.14	588448	256.1781 ng/ml
Trazodone	5.045	431082	74799.84	75.7	1155252.7 8	71362	231.7127 ng/ml
Venlafaxine	5.007	1917504	36083.40	35.3	3371.81	398976	248.4850 ng/ml
Zolpidem	4,804	2491201	2968.28	32.6	2145.19	491374	253.6415 ng/ml

p1 Cal 6-250ng

Batch results Calibration Last Update	D:\Mass 9/11/201	D:\MassHunter\Data\2019\AI 9/11/2019 11:38:29 AM	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	i reinjects\QuantRe	sults\MDQ wklst 364!	5 TS.batch.bin		
Instrument Type Acq. Method Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco Cal MDQ P1 Combined 0822 P2-B12 1 9/10/2019 10:50:24 AM	Falco Cal MDQ P1 Combined 082219.m P2-B12 1 9/10/2019 10:50:24 AM	Data File Sample Operator Comment	+	p1 Cal 7-500ng.d p1 Cal 7-500ng	п		
Sample Chromatogram								
-> **) p1 Cal 7-5	+ TIC MRM (** -> **) p1 Cal 7-500ng.d (p1 Cal 7-500ng) ≝ x10 <sup>6</sup>	00ng)						
			~		~			
<		<		< <			M	
1.2 1.4 1.6	6 1.8 2	2.2 2.4 2.6	2.8 3 3.2	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6 A	5.8 6 6.2 Acquisition Time (min)
	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.	
6-MAM 7-aminoclonazenam	3.103 4 217	46625 375747	1026.86 13008 95	75.9 81 0	1312.77 10612 84	21487 36754	49.8615 ng/ml 474 3042 ng/ml	
a-hydroxyalprazolam	5.666	39807	273.94	68.8	4170.13	4538		
	4.330	2063779	3426.07	48.5	1723.38	188166		
Alprazolam	5.749	936347	4847.26	107.4	6902.95	59239		
Ampnetamine Renzovlecnonine	3.U28 3.840	0156451 271007	1768 58	9-00 4-1	88	39U68 01 ED	481.26// ng/ml 752.1710 ng/ml	
Buprenorphine	5.692	4849	378.95	16.0	8320.48	4285	40.2356 ng/ml	
	4.752	633704	38441.73	58.7	10785.73	49960		
	5.705	743634	1689.19	56.3	7630.83	75853		
	5.195	616486	9210.02	43.3	1656.51	60017		
	5.579 4 220	133549	1921.21	32.2	7609.08	4950	485.1753 ng/ml	
	062,4	785880	26514.79 26514 30	104.2	00,7220 6097 70	2228U9 27010	10/00 2610.264	
Cvclobenzaprine	5,603	247970	29943.05	11.9	298.36	22609		
Dextromethorphan	5.224	213000	61597.26	83.2	18222.55	20090		
Dextrorphan	4.086	455310		206.3	2112.09	120969	495.5118 na/ml	
			20.00	1				



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.501	862935	101720.38	67.5	3668.98	116771	468.5667 ng/ml
Diphenhydramine	5.265	1178870	2644.55	31.9	17107.22	162665	500.0643 ng/ml
Doxylamine	4.487	4755829	226505.67	98.5	88330.61	428252	-
EDDP	5.216	1088685	3268.83	41.8	3886.39	119491	_
Fentanyl	5.045	19977	8	73.5	209.82	22734	
Fluoxetine	5.695	225220	667.73	8.7	8	19623	
Hydrocodone	2.971	760407	8	39.1	8	103213	
Hydromorphone	1.587	648462	7256.01	74.5	913.89	49176	-
Ketamine	3.999	2174239	167205.45	37.9	13422.63	211857	-
Lamotrigine	4.261	154590	8	82.3	52436.77	211857	-
Lorazepam	5.720	34095	408.80	51.0	254.97	4950	-
Meprobamate	4.881	209613	13197.01	26.9	4120.67	22052	493.5967 ng/ml
Methadone	5.634	535891	8640.95	52.6	7598.51	53676	_
Methamphetamine	3.195	985798	21337.39	43.1	3931.60	88483	-
Metoprolol	4.292	458321	404790.99	96.4	8	530984	_
Mirtazapine	4.562	877244	8	49.6	30631.69	188166	-
Mitragynine	5.173	62981	119817.39	37.1	17447.05	53676	-
Morphine	1.233	117557	440.46	20.0	1330.68	3236	-
Norbuprenorphine	4.956	325	874.68	83.6	81.48	366	_
Nordiazepam	5.874	142644	1577.50	57.4	8641.98	9603	_
Norfentanyl	4.054	351295	22035.03	36.9	1269.02	320312	_
Norhydrocodone	3.032	49744	565.76	30.6	241.12	27649	_
Noroxycodone	2.876	489613	618.64	45.8	5721.35	31506	_
O-desmethyl-tramadol	3.334	6224495	327372.63	6.3	2201.86	667293	
Oxazepam	5.730	40192	309.09	72.2	44.15	5285	
Oxycodone	2.787	1566451	4169.49	30.7	2020.80	154047	
Oxymorphone	1.383	348471	8	48.1	2329.59	27979	
Phentermine	3.751	432844	1628.59	2.6	376.62	111562	
Promethazine	5.513	485796	5024.91	30.1	3719.53	45602	
Quetiapine	5.503	1025920	14111.65	55.3	2619.16	28308	
Sertraline	5.763	123667	810.57	91.7	5011.46	11204	
Temazepam	5.797	530521	2841.36	31.6	3242.53	29990	-
Tramadol	4.206	4756711	495155.39	3.5	1599.09	530984	-
Trazodone	5.045	684899	137002.09	76.5	492284.71	55026	L
Venlafaxine	5.007	3258963	151179.23	35.4	30377.40	339449	496.5611 ng/ml
Zolpidem	4.804	4884917	124350.46	31.7	2194.27	492760	-

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Batch results Calibration Last Update	D:\MassH 9/11/201	D:\MassHunter\Data\2019\AN 9/11/2019 11:38:29 AM	D:\MassHunter\Data\2019\AM 28\091019 MDQ TS reinjects\QuantResults\MDQ wklst 3645 TS.batch.bin 9/11/2019 11:38:29 AM	reinjects\QuantRe	sults\MDQ wklst 3645	5 TS.batch.bin		
Instrument Type Sample Position Injection Volume Acq. Date-Time Sample Info.	Falco Cal MDQ P1 Combined 0822 P2-A12 1 9/10/2019 11:00:50 AM	Falco Cal MDQ P1 Combined 082219.m P2-A12 1 9/10/2019 11:00:50 AM	Data File Sample Operator Comment		p1 Cal 8-1000ng.d p1 Cal 8-1000ng	ē		
Sample Chromatogram								
+ TIC MRM (** -> **) p1 Cal 8-1000ng.d (p1 Cal 8-1000ng)	000ng.d (p1 Cal 8-1	(£000)						
0 4 W								
> > >		$\langle$					$\mathcal{S}$	
1.2 1.4 1.6	6 1.8 2 -	2.2 2.4 2.6	2.8 3 3.2 3	3.4 3.6 3.8	4 4.2 4.4	4.6 4.8 5	5.2 5.4 5.6	5.8 6 6.2 Acquisition Time (min)
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	_	
6-MAM 7aminoclonazepam	3.103 4.224	91159 478551	4488.08 7916.67	74.8 79.7	1617.81 6115.44	20784 26603	100./609 ng/ml 836.2607 ng/ml	
a-hydroxyalprazolam	5.666	74970	507.23	68.9	720.18	3989		
alpha-PVP	4.330 5 740	4203078 1500027	386492.88	49.2	154963.41 77800 54	1900/8	999.3682 ng/ml	
Alpt a201a111 Amphetamine	3.028	2841057	25794.99	55.2	28987.92	36752	942.7766 ng/ml	
Benzoylecgonine	3.840	643334	1722.99	7.6	1610.31	8268		
Buprenorphine	5.692 4 753	12499	3589.38 66542 05	17.3	8 LEO11	5976 56452	74.4606 ng/ml	
bupropioi Carisonrodol	4.705 5.705	1153722	1137.31	56.2	1464.15	58505	111/01 2542.758	
Citalopram	5.195	1619318	809.65	42.4	8	76988		
Clonazepam	5.579	241072	8	32.9	617.99	4500		
Locaine Codaine	4.23U 2.536	467631	1156 40	103 8	151400.74 m	00400C	1011.000 PUDI IUI	
Cyclobenzaprine	5.596	792119	127762.98	11.8	3773.67	35147		
Dextromethorphan	5.224	622243	1741.91	80.1	1224.64	29268		
Dextrorphan	4.093	951001	34319.03	205.0	81508.27	124882	1002.8608 ng/ml	
Diazenam								



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Dihydrocodeine	2.501	1442319	56320.27	67.9	5476.57	110505	828.2456 ng/ml
Diphenhydramine	5.265	3410414	89371.83	32.0	4694.17	234571	1003.3385 ng/ml
Doxylamine	4.494	10469945	193585.23	96.9	8	474077	1000 mg/ml
EDDP	5.216	3006749	2720.96	42.2	3833.72	163262	1004.4690 ng/ml
Fentanyl	5.045	64408	7510.58	74.7	8	33437	
Fluoxetine	5.695	693437	26113.26	8.6	8	30168	_
Hydrocodone	2.971	1407765	1169.87	42.0	684.19	97924	
Hydromorphone	1.587	1078022	960.51	76.1	1428.22	41221	
Ketamine	4.006	3988425	14611.30	38.0	56662,67	203017	-
Lamotrigine	4.261	260584	8	82.9	8696.29	203017	~
Lorazepam	5.720	68989	2138,91	50.2	246.76	4500	
Meprobamate	4.881	373122	87377.11	26.8	1330.98	19902	_
Methadone	5.634	1657168	196957.58	53.1	20131.88	81577	994.9301 ng/ml
Methamphetamine	3.195	1969022	3073.23	42.9	2773.84	93280	-
Metoprolol	4.292	771101	1074654.79	96.3	13569.48	504464	-
Mirtazapine	4.569	2638716	268624.50	49.4	77560.95	190078	-
Mitragynine	5.173	204671	283692.56	37.7	296004.29	81577	-
Morphine	1.233	199121	3486.24	19.6	59.35	2904	
Norbuprenorphine	4.949	915	8	92.1	2845.21	488	100.4838 ng/ml
Nordiazepam	5.874	258190	2585.97	57.0	1722.41	8628	-
Norfentanyl	4.054	728149	3680.78	37.6	12813.28	318048	105.1907 ng/ml
Norhydrocodone	3.032	101430	413.43	32.4	436.51	27205	
Noroxycodone	2.876	883474	1808.96	47.0	8	29706	-
O-desmethyl-tramadol	3.341	10925351	209993.34	6.5	13351.29	584443	
Oxazepam	5.730	79676	233.79	70.4	116.29	5382	
Oxycodone	2.787	2957972	8787.00	30.6	42014.53	146738	
Oxymorphone	1.383	642189	1347.26	46.2	1910.06	22047	
Phentermine	3.758	857834	6385.54	2.6	899.91	120004	
Promethazine	5.513	1585126	8	30.7	3551.35	74135	
Quetiapine	5.503	2649899	29410.38	57.2	3461.14	41965	
Sertraline	5.763	346724	2206.75	92.9	19128.51	15086	1019.7519 ng/ml
Temazepam	5.797	967204	14651.99	31.1	1772.54	54514	
Tramadol	4.206	8454041	45185.71	3.6	3510.17	504464	
Trazodone	5.045	2141013	16678.61	77.3	268692.64	77342	-
Venlafaxine	5.007	6836437	9718.36	35.2	8	351704	-
Zolpidem	4.804	9004605	2611.07	31.7	59167.88	478008	943.4186 ng/ml

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p1 Cal 8-1000ng