





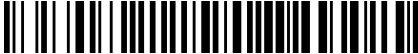


REVIEWED
By Sarah Pickle at 3:35 pm, Mar 11, 2020

3/10/2020 BW

Worklist: 4077

<u>LAB_CASE</u>	<u>ITEM</u>	<u>ITEM_TYPE</u>	<u>DESCRIPTION</u>	
C2020-0367	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0376	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0382	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0397	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0419	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0421	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	
C2020-0448	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ	

**Idaho State Police
Forensic Services
Toxicology Discipline**

Request for Departure from an Analytical Method

Date of Request

01/13/2020

Forensic Scientist

Celena Shrum

Analytical Methods

Toxicology AM #25, Toxicology AM #26/27, and AM #28

Deviation

The expiration dates listed for the current batch of PinPoint ToxBox extraction plates are as follows:

- *MDS (batch IDP-107-190725)- Expiration is 1/25/2020
- *THC (batch IDP-108-190716)- Expiration is 1/16/2020
- *MDQ P1 (batch IDP-111-190729)- Expiration is 1/29/2020
- *MDQ P2 (batch IDP-112-190730)- Expiration is 1/30/2020

I am issuing a deviation to allow for the use of the remaining plates of these batches. The controls will be used to evaluate if the plate is working as intended. In addition, at least one external control must be included for each run.

Celena Shrum

Date: 01/13/2020

Celena Shrum

Toxicology Discipline Lead

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

Extraction Date 3-10-2020 Analyst: Britany Wylie
 Plate lot#: 190729 (part IDP-111) Plate Expiration: 1/29/20

Mobile phase A: 5mM Amm Form + 0.01% FA **Mobile phase B:** 0.01% Formic Acid in MeOH
 0.5M Ammonium Hydroxide Ethyl Acetate 20% Methanol in Water

Blank Blood Lot: 20A52255 **Urine Blank lot:** 11420

Column: Agilent 120 EC-C18 (2.1x 100-2.7um)

LCMS-QQQ ID: 69679

Pre-Analytic:

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

Analytic:

- 1. Remove standards, plate, controls, and samples from cold storage. Allow to reach room temperature.
- 2. Pipette **250µL blood (calibrated pipette) Pipette ID: 1926134** in wells of analytical (standards) plate.
- 3. Place on shaking incubator at ambient temp., 900rpm for 15 minutes. *Shaker ID: 66759*
- 4. Pipette **250µL 0.5M ammonium hydroxide** in wells of analytical plate.
- 5. Place on shaking incubator at ambient temp., 900rpm for 15 minutes.
- 6. Transfer **300µL of blood+base** mixture to corresponding wells of SLE+ plate.
- 7. Apply positive pressure for approx. 10-15 seconds (or until no liquid remains on top of sorbent).
(Load at 85-100 PSI- Selector to the right) Manifold ID: 66792
- 8. Wait 5 minutes.
- 9. Add **900uL ethyl acetate.**
- 10. Wait 5 minutes.
- 11. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 12. Add **900uL ethyl acetate.**
- 13. Wait 5 minutes.
- 14. Apply positive pressure for approx. 15 seconds. *(10-15 PSI- Selector to the left).*
- 15. Remove plate containing eluate. Place on SPE Dry and evaporate to dryness at approx. 35°C.
SPE Dry ID: 66819
- 16. Reconstitute in **100µL 20% MeOH** and heat seal plate with foil.

Post-Analytic

- 1. Create batch and process data.
- 2. Make necessary changes to integration limits
- 3. Integration linear and R² values ≥0.98 for each analyte.
- 4. For unknown samples and controls: response ratio within 20% of average of controls and standards, RT within +/- 5% (tramadol RT +/-2%), S/N for primary transition >10 and secondary transitions >5.
- 5. Did all QCs pass for each analyte? Yes, see comments Add Control data to QC tracking spreadsheet.
- 6. Central File Packet to include: LIMS Worklist, Method Checklist, Calibration and Control Reports.

COMMENTS: Bloods only in this batch

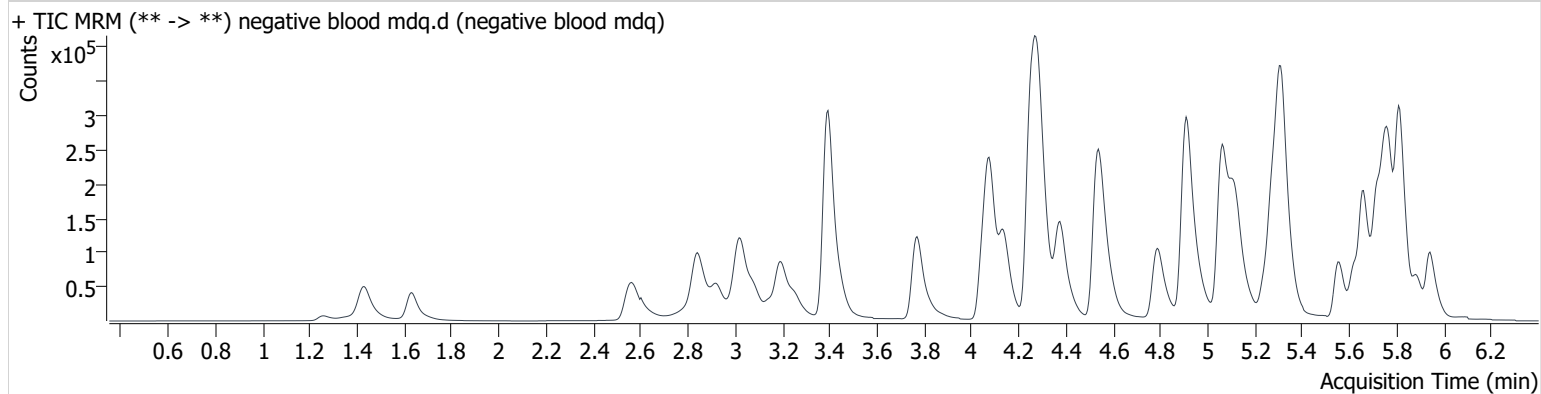
Norbuprenorphine was not evaluated, Diphenhydramine qualitatively evaluated in this batch
Curves limited to: 5-500: (7-aminoclonazepam, amphetamine, meprobamate, mitragynine);
5-250: (lamotrigine, metoprolol, norhydrocodone); **1-100:** (buprenorphine); **5-50:** (lorazepam)
10-1000 (Benzylecgonine)

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	negative blood mdq.d
Type	Sample	Sample	negative blood mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E2	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 6:26:34 PM		
Sample Info.			

Sample Chromatogram

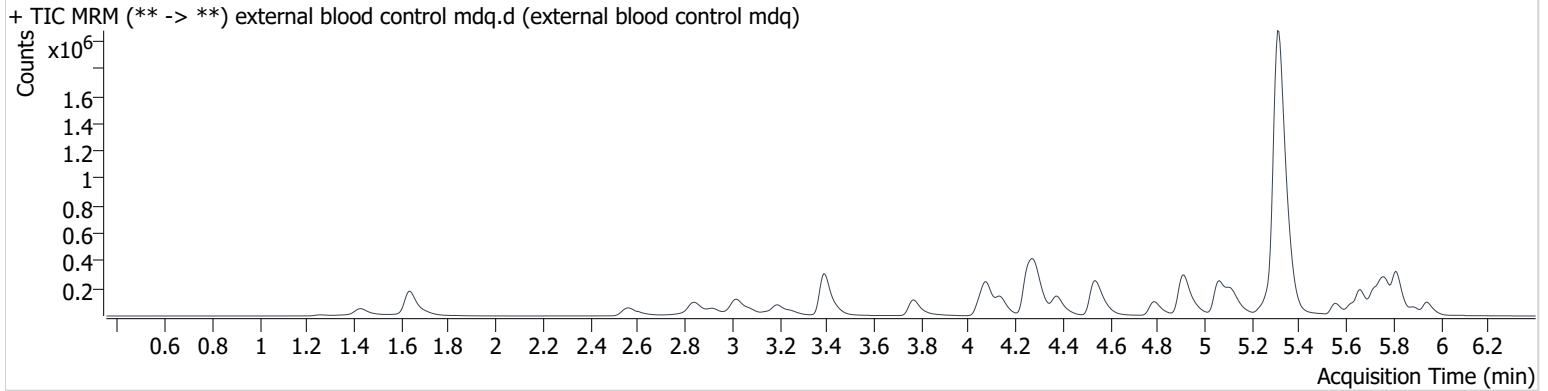


AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	external blood control mdq.d
Type	Sample	Sample	external blood control mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F2	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 6:37:23 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Diphenhydramine	5.317	4948836	8304.5	33.8	1090674.6	797509	337.243 ng/ml
Hydromorphone	1.638	345829	1189595.4	73.9	3805.2	149567	90.840 ng/ml

Toxicology AM method 25/28 urine external control prep
working solution 10000 ng/ml in meoh Hydromorphone, Diphenhydramine, Nortriptyline, Chlordiazepoxide
Stock solution 1mg/ml 50 ul each in 4800ul meOH

ppd 3/9/20: Exp: 6/1/20 lot 3920 by baw

Drug	lot	expiration
Hydromorphone	FE04101502	6/1/2020
Diphenhydramine	FN09161502	9/1/2020
nortriptyline	FN06191503	8/1/2020
chlordiazepoxide	FE07241502	8/1/2020

AM 25 control 30 ul working solution (3920) in 270 ul negative urine

ppd 3/9/20, exp 6/1/20 lot u3920 negative urine 11420 by BAW

AM 25 Blood Control:

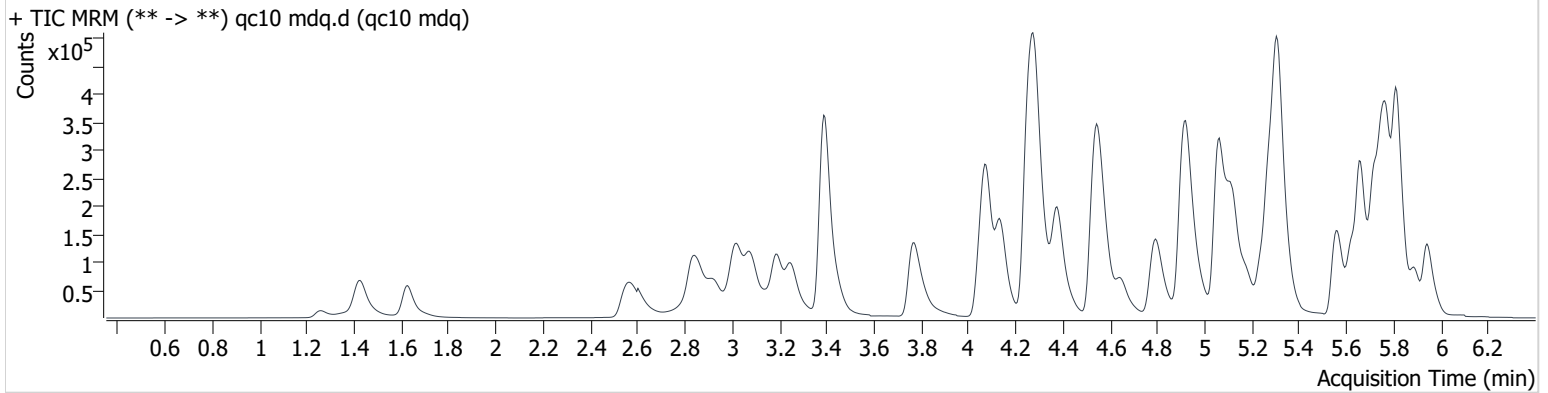
ppd 3/9/20, exp 6/1/20 lot b3920 neg blood lot 20A52255 by BAW

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	qc10 mdq.d
Type	QC	Sample	qc10 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A2	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 8:57:24 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	2387	687.9	74.5	1566.7	66631	1.042 ng/ml
7-aminoclonazepam	4.287	45908	99.7	85.3	106.6	200507	9.838 ng/ml
a-hydroxyalprazolam	5.704	11981	342.5	59.5	4926.1	66768	9.766 ng/ml
alpha-PVP	4.387	106986	3474.5	54.1	2610.5	472100	9.928 ng/ml
Alprazolam	5.777	77566	4274.4	111.5	1044.8	267062	10.042 ng/ml
Amphetamine	3.087	158557	849.5	55.6	1261.6	276844	10.246 ng/ml
Benzoylcegonine	3.906	3456	49.5	7.1	21.0	12429	11.982 ng/ml
Buprenorphine	5.821	1440	33.9	13.7	209.6	50168	1.058 ng/ml
Bupropion	4.809	102011	4541.5	60.7	152.1	406492	9.974 ng/ml
Carisoprodol	5.729	83311	1268.2	59.5	258.7	395114	9.861 ng/ml
Citalopram	5.246	54913	65.8	48.2	414.5	244713	9.605 ng/ml
Clonazepam	5.623	65461	1518.0	34.5	1569.9	109751	10.022 ng/ml
Cocaine	4.281	89328	11343.3	44.6	190.3	713975	9.955 ng/ml
Codeine	2.613	14348	36.2	108.2	619.4	70594	10.370 ng/ml
Cyclobenzaprine	5.635	34373	4980.1	8.9	1794.0	129009	10.077 ng/ml
Dextromethorphan	5.290	31346	358.3	78.1	1441.5	150145	9.783 ng/ml
Dextrorphan	4.141	30872	2816.7	214.9	3732.7	345203	10.312 ng/ml
Diazepam	5.947	53102	2114.4	87.5	3999.0	250784	10.061 ng/ml
Dihydrocodeine	2.591	35563	3934.6	65.1	3180.6	197841	10.242 ng/ml
Diphenhydramine	5.311	178536	2363.8	35.1	1892.5	990431	10.321 ng/ml
Doxylamine	4.559	252594	3277.5	96.3	8049.7	1070622	10.062 ng/ml
EDDP	5.280	48041	24425.9	234.3	3062.4	539108	10.260 ng/ml
Fentanyl	5.117	5712	2518.5	70.7	3278.4	275709	1.058 ng/ml
Fluoxetine	5.711	30951	900.0	8.6	1196.4	119005	10.738 ng/ml
Hydrocodone	3.049	48266	400.6	39.5	436.6	266901	9.839 ng/ml
Hydromorphone	1.633	37035	2828.3	77.0	462.6	148104	10.034 ng/ml
Ketamine	4.072	88800	1284.2	38.2	542.3	427042	10.087 ng/ml
Lamotrigine	4.309	9939	473.5	87.0	1120.1	427042	10.760 ng/ml
Lorazepam	5.751	48913	511.1	56.0	91.3	250784	10.651 ng/ml
Meprobamate	4.932	57075	2485.3	28.2	623.3	266953	10.081 ng/ml
Methadone	5.659	104028	1667.5	46.0	424.6	503855	10.194 ng/ml
Methamphetamine	3.254	146027	168.6	41.3	575.6	399930	8.919 ng/ml
Metoprolol	4.344	23680	4037.2	96.6	1622.4	1070622	10.118 ng/ml

AM #28 Multi-Drug Quant. Results

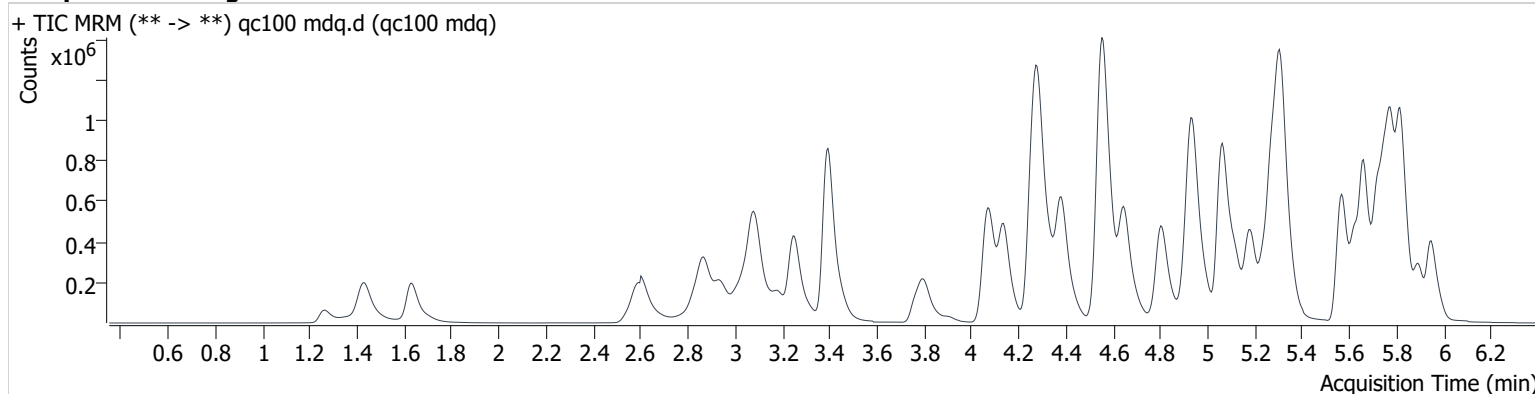
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.651	130569	400.3	45.7	1924.1	503855	10.797 ng/ml
Mitragynine	5.250	13869	138.8	39.6	7697.7	503855	9.691 ng/ml
Morphine	1.267	7954	92.0	21.0	8580.9	10074	9.404 ng/ml
Nordiazepam	5.897	46474	2234.0	61.4	810.9	150980	10.156 ng/ml
Norfentanyl	4.102	12633	142.2	44.6	107.3	594477	0.935 ng/ml
Norhydrocodone	3.100	1782	1090.2	42.9	19.9	78561	9.643 ng/ml
Noroxycodone	2.942	47102	466.5	40.2	641.1	171333	9.923 ng/ml
O-desmethyl-tramadol	3.395	211788	9468.2	6.8	68.4	1103553	10.467 ng/ml
Oxazepam	5.758	79073	1403.2	74.4	120.7	439291	9.691 ng/ml
Oxycodone	2.864	102040	1405.1	29.3	262.4	476223	10.341 ng/ml
Oxymorphone	1.430	59286	287418.8	44.8	19.9	238357	9.539 ng/ml
Phentermine	3.803	45696	277.3	5.4	86.7	496082	10.178 ng/ml
Promethazine	5.558	49145	6097.7	31.6	369.9	216980	10.171 ng/ml
Quetiapine	5.571	83147	57877.8	61.5	54830.4	116406	10.607 ng/ml
Sertraline	5.778	17258	569.7	102.7	15579.5	77287	10.674 ng/ml
Temazepam	5.819	162041	3003.6	29.9	85.5	780548	10.161 ng/ml
Tramadol	4.263	219584	25623.9	3.6	26.0	1092912	10.641 ng/ml
Trazodone	5.179	95800	5363.7	74.5	4623.3	414835	10.373 ng/ml
Venlafaxine	5.063	178966	12107.8	38.5	1229.4	919539	10.346 ng/ml
Zolpidem	4.934	221110	2390.9	29.8	412.3	936157	10.167 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	qc100 mdq.d
Type	QC	Sample	qc100 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B2	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 9:08:13 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	22991	1969.1	73.6	16167.3	66696	10.004 ng/ml
7-aminoclonazepam	4.287	377382	9969.5	82.3	17613.3	171607	100.431 ng/ml
a-hydroxyalprazolam	5.699	101459	162.3	60.8	931.3	57970	101.801 ng/ml
alpha-PVP	4.387	1012113	54788.7	52.6	16647.4	450176	95.049 ng/ml
Alprazolam	5.777	666905	1161.2	109.3	13019.9	235921	99.040 ng/ml
Amphetamine	3.087	1291031	1805.7	52.1	5739.4	248993	104.545 ng/ml
Benzoylcegonine	3.906	35868	3468.2	7.8	87.4	12249	93.015 ng/ml
Buprenorphine	5.827	12437	10429.9	16.9	1367.3	44500	9.270 ng/ml
Bupropion	4.809	939787	12192.3	60.6	8581.1	384194	100.830 ng/ml
Carisoprodol	5.729	677737	11275.0	57.6	477.4	331769	98.767 ng/ml
Citalopram	5.246	493477	5659.7	45.8	2204.4	221137	99.760 ng/ml
Clonazepam	5.623	543005	8893.0	34.1	134060.5	95010	105.416 ng/ml
Cocaine	4.281	797576	74498.9	46.1	18472.0	662176	96.368 ng/ml
Codeine	2.613	133260	15708.2	105.9	30055.5	68535	102.840 ng/ml
Cyclobenzaprine	5.635	283207	80196.3	9.3	1281.4	112987	100.216 ng/ml
Dextromethorphan	5.285	293332	14302.9	74.9	3771.6	143131	98.546 ng/ml
Dextrorphan	4.136	319703	646.8	213.1	50176.3	365410	101.470 ng/ml
Diazepam	5.947	476974	3859.5	88.3	4464.9	233073	99.336 ng/ml
Dihydrocodeine	2.586	339965	1429.8	65.2	13856.9	199476	103.446 ng/ml
Diphenhydramine	5.317	1612423	6829.0	34.0	21583.4	923537	95.274 ng/ml
Doxylamine	4.559	2494052	13058.0	97.3	106944.1	1096440	98.653 ng/ml
EDDP	5.280	482700	160232.5	235.8	21541.0	561748	100.552 ng/ml
Fentanyl	5.122	47679	1010.1	69.2	612.7	250113	10.032 ng/ml
Fluoxetine	5.711	259638	3432.6	8.5	349.2	109703	102.018 ng/ml
Hydrocodone	3.043	440999	734.7	38.9	367.1	260031	104.604 ng/ml
Hydromorphone	1.633	379639	29403.2	73.7	10571.2	155116	96.139 ng/ml
Ketamine	4.072	821771	745.4	38.1	1838.7	410243	101.960 ng/ml
Lamotrigine	4.309	81869	2370.0	88.4	816.3	410243	101.443 ng/ml
Lorazepam	5.751	275630	2272.5	57.1	840.0	233073	71.514 ng/ml
Meprobamate	4.932	457371	52013.6	28.3	10571.1	229815	103.105 ng/ml
Methadone	5.664	937564	288559.0	47.0	24424.1	476489	93.918 ng/ml
Methamphetamine	3.254	869830	1311.9	41.2	1544.4	339807	105.833 ng/ml
Metoprolol	4.344	210272	16476.7	97.3	5913.9	1096440	107.097 ng/ml

AM #28 Multi-Drug Quant. Results

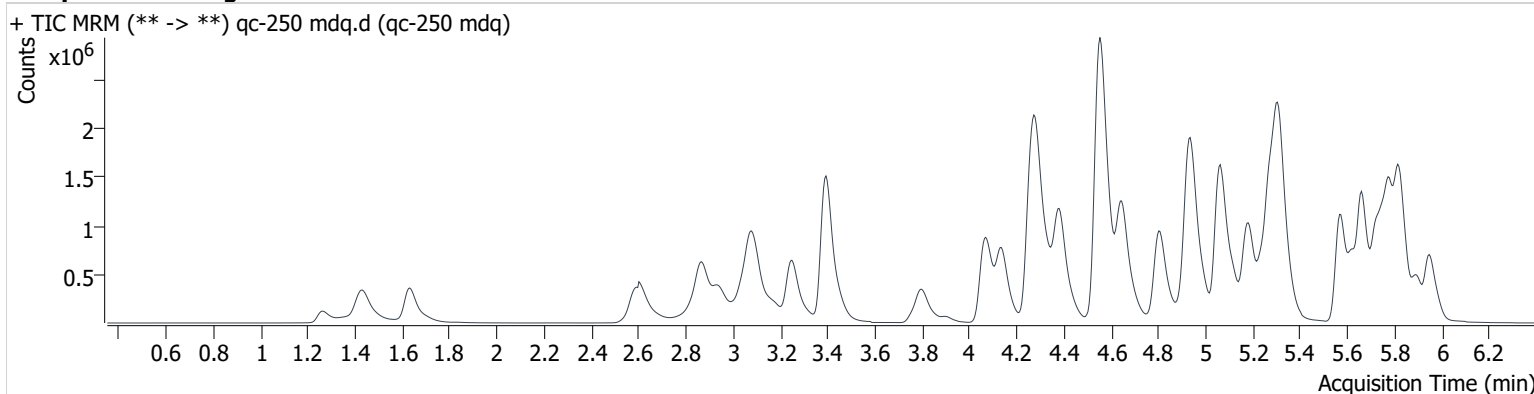
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.651	1250804	96157.5	46.0	37673.4	476489	106.023 ng/ml
Mitragynine	5.255	123312	123504.9	37.8	81383.2	476489	96.368 ng/ml
Morphine	1.267	77046	684961.0	21.1	2224.1	10120	102.621 ng/ml
Nordiazepam	5.897	406421	216490.3	62.2	5819.3	136104	102.334 ng/ml
Norfentanyl	4.102	146107	11516.7	40.3	778.1	663401	9.650 ng/ml
Norhydrocodone	3.095	17907	284.0	41.8	1970.9	70702	95.380 ng/ml
Noroxycodone	2.942	407877	948.7	42.3	4987.1	157490	102.444 ng/ml
O-desmethyl-tramadol	3.395	2003561	96209.5	6.5	675.3	1076518	99.105 ng/ml
Oxazepam	5.758	512110	1228.9	73.3	2045.3	296042	105.218 ng/ml
Oxycodone	2.864	966193	6116.0	29.1	257.1	471185	107.098 ng/ml
Oxymorphone	1.430	543557	2558465.1	44.6	998772.0	224434	101.795 ng/ml
Phentermine	3.803	391683	1325.4	5.3	331.1	448878	105.576 ng/ml
Promethazine	5.558	436431	44347.0	31.8	2836.1	201818	98.720 ng/ml
Quetiapine	5.571	800652	4344.3	61.8	2354.6	118333	103.951 ng/ml
Sertraline	5.783	124601	2089.6	101.8	12220.8	60111	101.600 ng/ml
Temazepam	5.819	1408598	3736.6	29.6	1577.0	682079	99.007 ng/ml
Tramadol	4.263	1988921	34982.2	3.5	988.6	1078184	107.451 ng/ml
Trazodone	5.179	928226	20568.4	79.1	739.2	409178	105.910 ng/ml
Venlafaxine	5.063	1704831	95588.4	38.1	1786.9	903830	95.245 ng/ml
Zolpidem	4.934	2117575	58883.6	30.4	2284.1	931744	101.410 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	qc-250 mdq.d
Type	QC	Sample	qc-250 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C2	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 9:19:01 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	51658	3153.4	73.5	48926.8	59961	24.999 ng/ml
7-aminoclonazepam	4.287	655045	16058.9	83.2	8769.9	124462	241.318 ng/ml
a-hydroxyalprazolam	5.699	192682	4137.8	60.7	1716.7	47253	238.172 ng/ml
alpha-PVP	4.387	2262227	158485.3	52.2	65263.2	392717	242.930 ng/ml
Alprazolam	5.777	1345795	15895.7	110.4	9289.2	185664	254.196 ng/ml
Amphetamine	3.087	2365966	51739.6	51.8	1824.8	193614	248.377 ng/ml
Benzoyllecgonine	3.906	87679	211.3	7.8	1434.8	11203	242.790 ng/ml
Buprenorphine	5.827	25388	7512.2	15.8	3006.8	34130	24.477 ng/ml
Bupropion	4.809	2082280	5298.5	61.0	5533.6	338429	254.245 ng/ml
Carisoprodol	5.729	1276192	8571.8	58.0	3346.7	250060	247.307 ng/ml
Citalopram	5.241	965493	1843.2	45.5	483.6	175298	246.916 ng/ml
Clonazepam	5.623	1033160	23464.5	34.3	1216.4	72923	262.939 ng/ml
Cocaine	4.281	1718649	72540.6	45.5	49312.9	555284	247.728 ng/ml
Codeine	2.613	277433	1112.7	104.4	1164.6	55893	263.187 ng/ml
Cyclobenzaprine	5.630	320588	2045.1	9.2	1453.7	50557	254.513 ng/ml
Dextromethorphan	5.285	498622	490.9	76.0	362.3	94701	253.627 ng/ml
Dextrorphan	4.136	626840	128913.1	215.7	59610.1	279415	260.288 ng/ml
Diazepam	5.947	1016795	5142.3	86.4	23779.3	194028	254.752 ng/ml
Dihydrocodeine	2.586	732432	1657.5	64.2	855.8	175213	254.816 ng/ml
Diphenhydramine	5.317	3327085	13680.3	34.1	2722.3	741465	244.014 ng/ml
Doxylamine	4.554	5710553	158884.1	97.1	2362.3	986899	251.248 ng/ml
EDDP	5.280	1056836	14671.3	238.7	143645.7	493110	251.073 ng/ml
Fentanyl	5.123	97648	3528.0	69.2	52976.2	202255	25.462 ng/ml
Fluoxetine	5.711	146888	42003.6	8.5	15174.2	25693	247.186 ng/ml
Hydrocodone	3.043	909302	1790.5	39.5	870.1	221167	255.683 ng/ml
Hydromorphone	1.633	808868	77868.0	73.3	3077804.7	129743	244.532 ng/ml
Ketamine	4.067	1848505	64243.3	38.4	14031.6	369923	255.178 ng/ml
Lamotrigine	4.309	156434	3819.7	89.2	1884.1	369923	216.322 ng/ml
Lorazepam	5.746	368925	1879.1	56.6	1666.5	194028	115.815 ng/ml
Meprobamate	4.932	829768	148341.1	28.5	2452.1	181469	238.335 ng/ml
Methadone	5.664	1962530	73699.1	46.1	7522.9	393666	237.372 ng/ml
Methamphetamine	3.249	1334766	2782.3	41.6	7119.9	223657	256.335 ng/ml
Metoprolol	4.344	427509	342871.8	97.1	36081.1	986899	245.088 ng/ml

AM #28 Multi-Drug Quant. Results

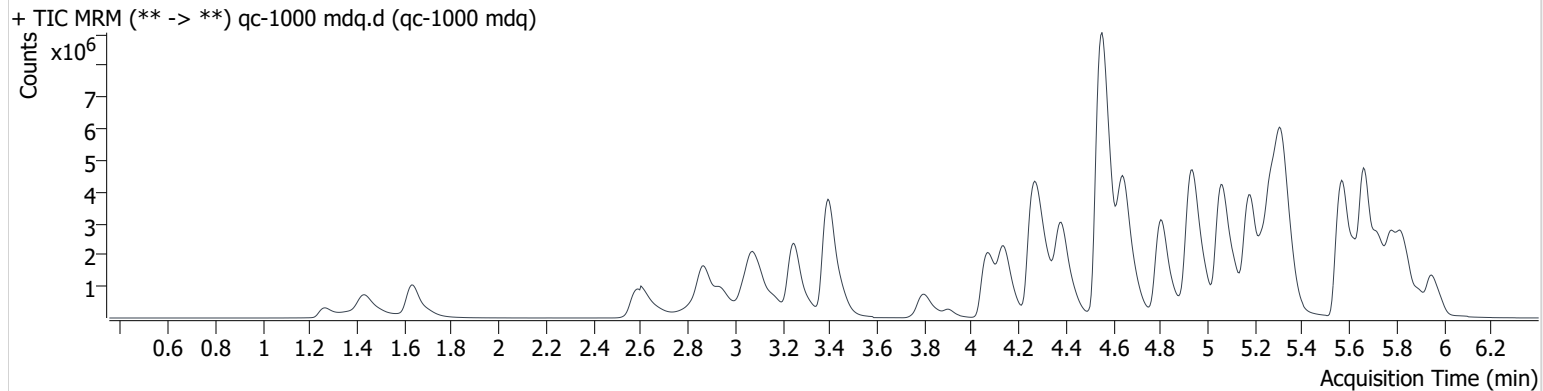
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.646	2827135	116278.8	45.9	127855.7	393666	289.419 ng/ml
Mitragynine	5.250	218676	620.8	38.5	865.2	393666	207.566 ng/ml
Morphine	1.262	161361	594986.7	20.9	173.6	8522	257.267 ng/ml
Nordiazepam	5.897	792036	23041.8	61.5	6389.2	106539	255.424 ng/ml
Norfentanyl	4.102	261374	1065.1	40.5	1437.1	457352	25.035 ng/ml
Norhydrocodone	3.090	47070	14.9	43.1	544.7	59695	294.381 ng/ml
Noroxycodone	2.942	810653	1502.0	41.3	2425.7	124430	259.316 ng/ml
O-desmethyl-tramadol	3.395	4559294	107045.3	6.4	9709.2	962030	251.936 ng/ml
Oxazepam	5.758	715990	3765.2	73.7	607.4	169051	259.646 ng/ml
Oxycodone	2.864	2172300	1265.2	29.4	1006.0	425869	267.823 ng/ml
Oxymorphone	1.430	1149254	6967419.0	43.7	2226418.8	189554	256.366 ng/ml
Phentermine	3.803	781368	5556.3	5.2	946.0	377288	252.063 ng/ml
Promethazine	5.558	457061	4520.7	31.8	1183.4	85739	243.634 ng/ml
Quetiapine	5.571	1873007	63408.8	60.5	1567023.4	108944	264.767 ng/ml
Sertraline	5.783	57779	195.5	101.0	23353.6	11655	243.417 ng/ml
Temazepam	5.824	2778037	184921.7	29.6	3474.5	519326	256.087 ng/ml
Tramadol	4.266	4298063	308626.1	3.4	1168.5	951250	264.914 ng/ml
Trazodone	5.179	2213693	78221.7	79.2	618.1	405394	255.580 ng/ml
Venlafaxine	5.063	3899570	202050.8	37.8	1087.8	805881	243.434 ng/ml
Zolpidem	4.935	4847923	198989.3	29.6	1693.2	836555	259.227 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument 69679 **Data File** qc-1000 mdq.d
Type QC **Sample** qc-1000 mdq
Acq. Method mdq p1 cda 121818.m **Operator** Britany Wylie
Sample Position P2-D2 **Comment**
Injection Volume 2
Acq. Date-Time 3/10/2020 9:29:50 PM
Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	183835	4017.3	72.8	2401.0	49808	107.091 ng/ml
7-aminoclonazepam	4.287	824267	14515.5	90.0	12095.8	49519	764.718 ng/ml *
a-hydroxyalprazolam	5.699	320327	2413.8	59.6	525.4	19396	966.889 ng/ml
alpha-PVP	4.382	7220859	913192.8	52.0	2944.4	303785	1001.204 ng/ml
Alprazolam	5.783	2922731	15793.0	109.7	15295.5	101315	1012.102 ng/ml
Amphetamine	3.081	5923533	131407.9	51.9	27985.8	160295	754.066 ng/ml *
Benzoylcegonine	3.906	429992	140507.6	8.0	966.4	11669	1130.250 ng/ml
Buprenorphine	5.827	109861	95213.5	16.3	3320.0	31599	113.971 ng/ml
Bupropion	4.809	7886442	38685.6	59.8	1966.3	329936	988.906 ng/ml
Carisoprodol	5.729	2134815	45178.1	58.9	21034.5	102914	1006.341 ng/ml
Citalopram	5.236	3274796	88284.8	46.0	2503.9	151622	969.659 ng/ml
Clonazepam	5.618	1374936	38976.3	33.7	239826.1	29550	866.024 ng/ml
Cocaine	4.281	4464546	295327.6	45.3	153316.5	364517	980.488 ng/ml
Codeine	2.618	751352	71727.6	104.5	74337.8	40648	981.251 ng/ml
Cyclobenzaprine	5.630	2830750	186911.8	8.9	40606.0	109005	1044.312 ng/ml
Dextromethorphan	5.285	1938618	68001.4	76.0	59061.5	91985	1016.053 ng/ml
Dextrorphan	4.136	2415605	122563.8	219.3	1508.6	270514	1036.254 ng/ml
Diazepam	5.953	2461859	4015.3	87.3	14449.0	121205	988.094 ng/ml
Dihydrocodeine	2.581	2286424	64554.2	64.0	40872.4	166491	838.835 ng/ml
Diphenhydramine	5.317	11581417	1258315.9	33.2	41022.5	621391	1011.830 ng/ml
Doxylamine	4.554	20171315	539853.0	96.3	420478.9	897822	976.080 ng/ml
EDDP	5.274	3715769	199778.4	238.9	8543501.0	423374	1028.740 ng/ml
Fentanyl	5.117	577834	50643.3	73.6	33789.0	286522	106.471 ng/ml
Fluoxetine	5.711	2438919	1356228.2	8.2	146142.6	98855	1068.469 ng/ml
Hydrocodone	3.043	2952120	677.0	39.0	2857.3	187723	982.134 ng/ml
Hydromorphone	1.638	2934325	22916.4	73.1	31051.9	115830	992.911 ng/ml
Ketamine	4.067	5470658	1912.5	37.8	62286.1	300245	931.928 ng/ml
Lamotrigine	4.309	272679	3404.5	90.2	3790.2	300245	465.966 ng/ml *
Lorazepam	5.746	403861	8679.6	57.2	989.3	121205	203.986 ng/ml *
Meprobamate	4.927	1459514	249268.0	28.7	14812.0	108618	702.554 ng/ml *
Methadone	5.664	9107685	281822.2	45.6	183120.9	435282	995.061 ng/ml
Methamphetamine	3.249	5435381	113237.7	40.9	9253.3	245374	970.990 ng/ml
Metoprolol	4.344	921028	2241.2	96.5	304042.8	897822	583.861 ng/ml *

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.646	11456702	394444.1	45.2	62367.6	435282	1059.734 ng/ml
Mitragynine	5.245	793206	118420.8	38.8	138814.9	435282	682.351 ng/ml *
Morphine	1.267	503927	1605737.0	20.8	303955.0	6938	990.839 ng/ml
Nordiazepam	5.897	1525179	5029.0	61.2	4362.1	54078	970.230 ng/ml
Norfentanyl	4.102	866576	66763.9	40.4	1562.0	358497	105.876 ng/ml
Norhydrocodone	3.095	213555	10178.7	41.2	2545.6	47057	1688.537 ng/ml *
Noroxycodone	2.942	2015146	990.0	42.7	1058.3	76814	1047.431 ng/ml
O-desmethyl-tramadol	3.395	14590862	1091.9	6.2	57216.4	751997	1030.590 ng/ml
Oxazepam	5.753	562159	6190.4	79.5	1102.5	39835	868.412 ng/ml
Oxycodone	2.864	6953152	∞	29.0	1417.6	356938	1025.482 ng/ml
Oxymorphone	1.430	3137628	15280597.5	44.3	1012.4	137869	965.111 ng/ml
Phentermine	3.803	2184510	5872.6	5.1	2291.8	309320	862.158 ng/ml
Promethazine	5.553	5280734	3613061.3	31.2	3064.0	237236	1017.918 ng/ml
Quetiapine	5.576	6181422	798582.1	59.0	3487094.0	100992	943.655 ng/ml
Sertraline	5.783	854767	32740.5	101.5	625524.8	42195	995.562 ng/ml
Temazepam	5.829	5233436	158499.6	29.2	26465.5	229268	1092.021 ng/ml
Tramadol	4.258	11994766	405769.1	3.3	3435.4	766109	920.907 ng/ml
Trazodone	5.179	8568788	252388.0	79.3	304792.3	446725	898.917 ng/ml
Venlafaxine	5.058	12713063	426193.3	36.7	8730.4	631139	1011.524 ng/ml
Zolpidem	4.936	15139425	367853.7	29.1	2031.8	693371	977.853 ng/ml

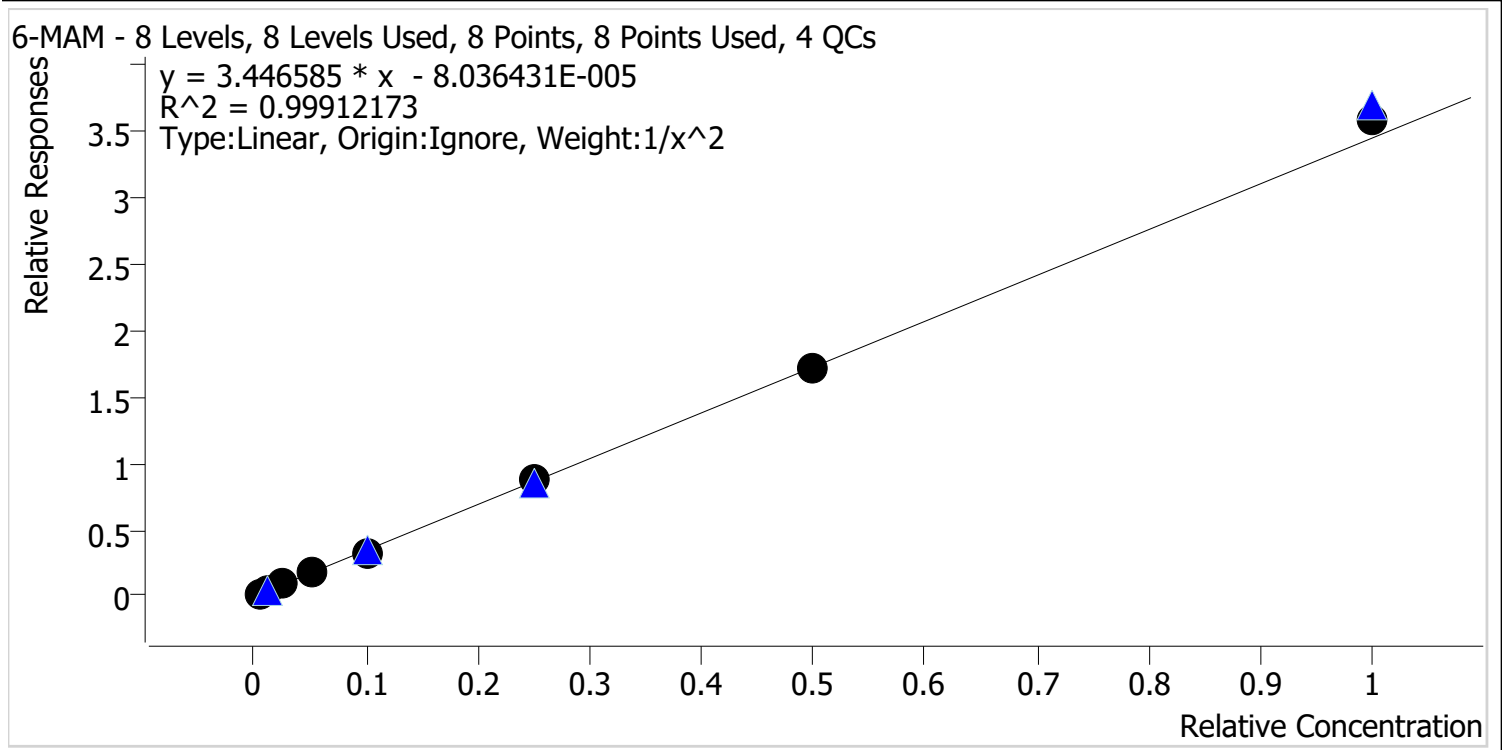
* (outside curve range)

BW

3-11-20

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte 6-MAM **Internal Standard** 6-MAM-D6



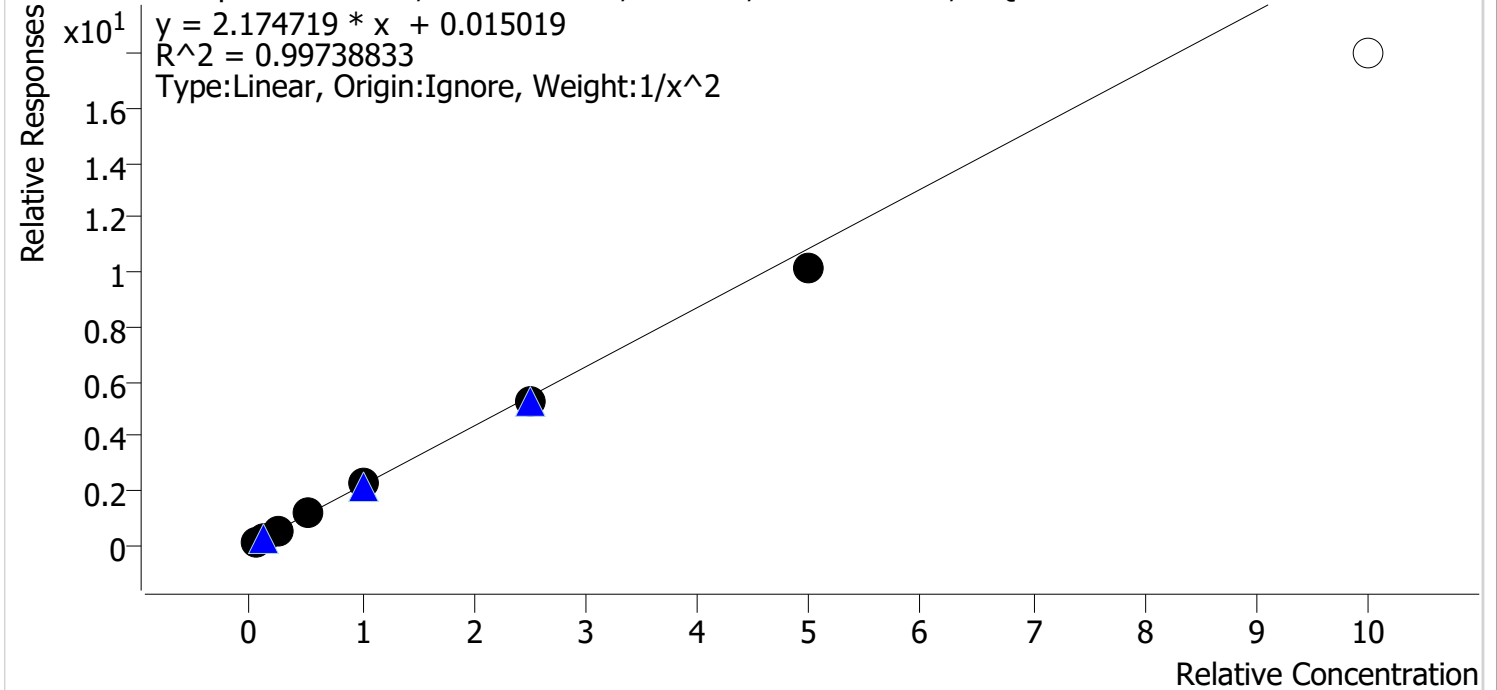
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	102.0
cal 2 mdq	2	✓	1.0	1.0	96.7
cal 3 mdq	3	✓	2.5	2.5	98.7
cal 4 mdq	4	✓	5.0	5.0	100.8
cal 5 mdq	5	✓	10.0	9.7	96.7
cal 6 mdq	6	✓	25.0	25.3	101.3
cal 7 mdq	7	✓	50.0	49.9	99.8
cal 8 mdq	8	✓	100.0	104.0	104.0

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin		
Last Cal. Update	3/11/2020 11:59 AM		
Analyst Name	ISP\datastor		
Analyte	7-aminoclonazepam	Internal Standard	7-Aminoclonazepam-D4

BW

7-aminoclonazepam - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs

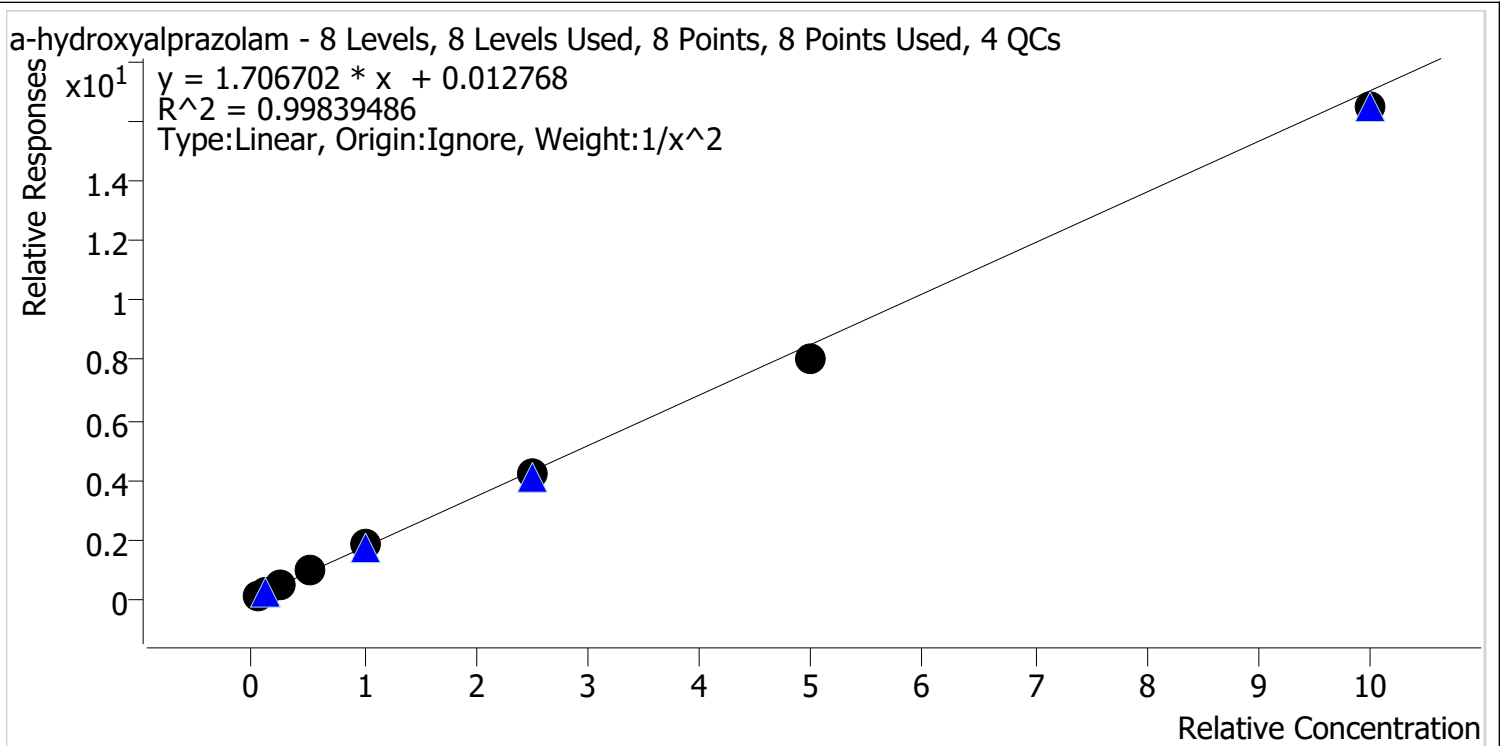


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.5
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.7	102.9
cal 4 mdq	4	✓	50.0	53.1	106.3
cal 5 mdq	5	✓	100.0	101.6	101.6
cal 6 mdq	6	✓	250.0	243.1	97.2
cal 7 mdq	7	✓	500.0	464.0	92.8
cal 8 mdq	8	✗	1000.0	828.3	82.8

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin		
Last Cal. Update	3/11/2020 11:59 AM		
Analyst Name	ISP\datastor		
Analyte	a-hydroxyalprazolam	Internal Standard	a-hydroxyalprazolam-D5

BW



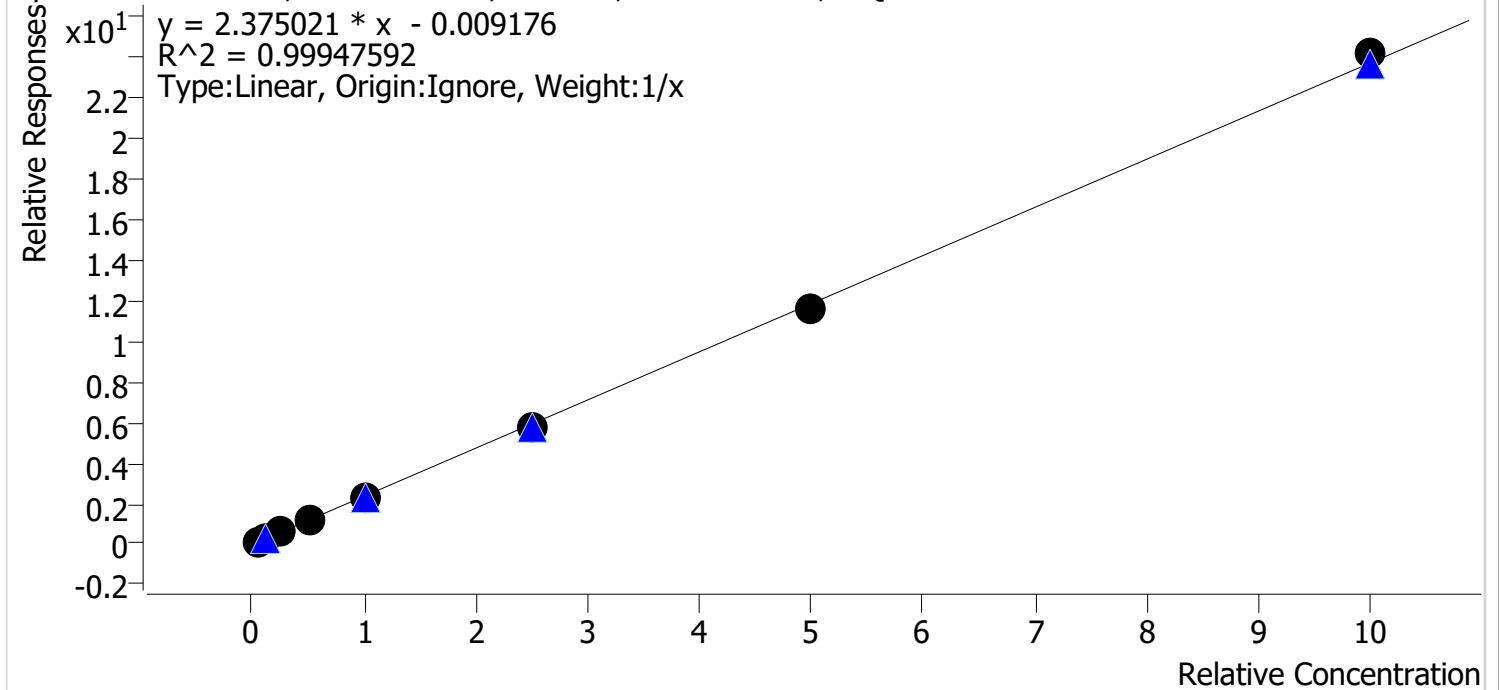
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.2	100.9
cal 4 mdq	4	✓	50.0	52.4	104.8
cal 5 mdq	5	✓	100.0	104.3	104.3
cal 6 mdq	6	✓	250.0	247.8	99.1
cal 7 mdq	7	✓	500.0	473.0	94.6
cal 8 mdq	8	✓	1000.0	967.4	96.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte alpha-PVP *BW*

Internal Standard alpha-PVP-d8

alpha-PVP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



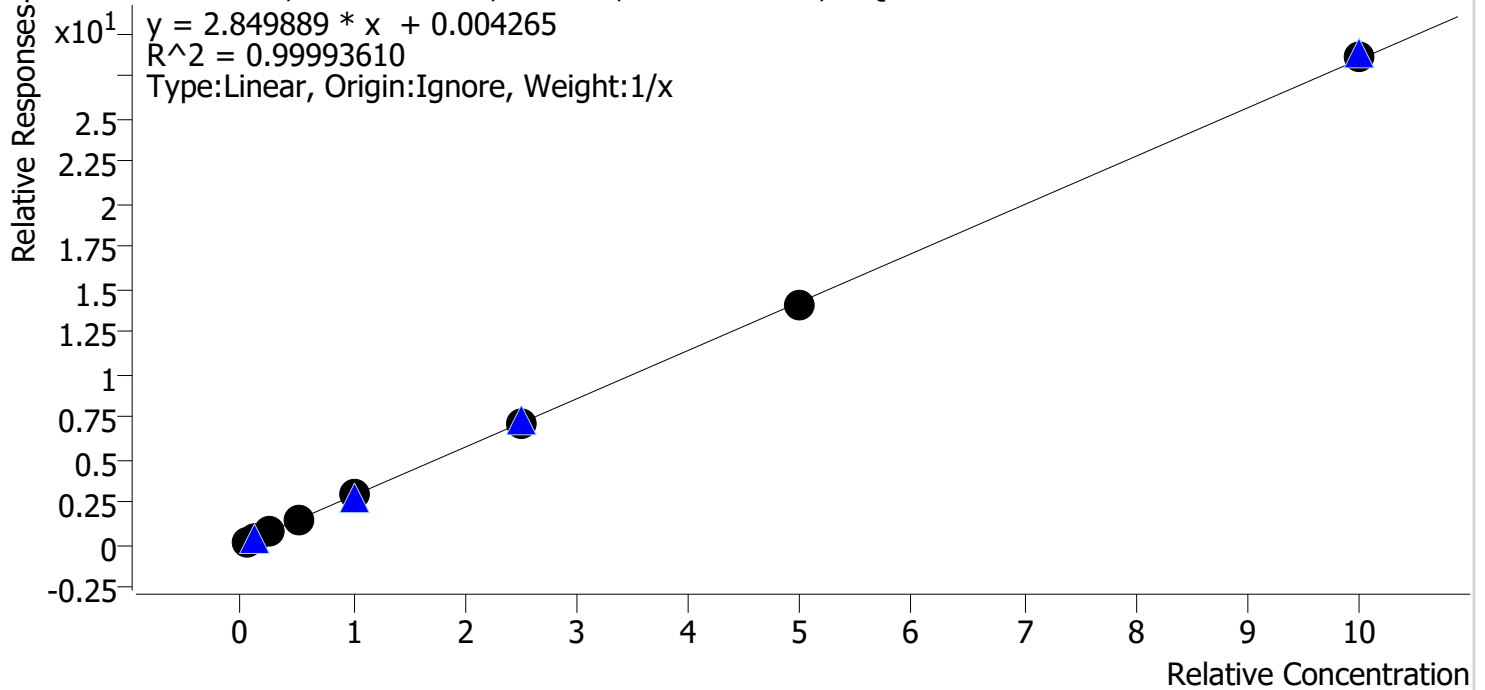
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	108.8
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	24.6	98.4
cal 4 mdq	4	✓	50.0	48.8	97.7
cal 5 mdq	5	✓	100.0	95.4	95.4
cal 6 mdq	6	✓	250.0	244.3	97.7
cal 7 mdq	7	✓	500.0	491.7	98.3
cal 8 mdq	8	✓	1000.0	1019.5	101.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Alprazolam *BW*

Internal Standard Alprazolam-D5

Alprazolam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



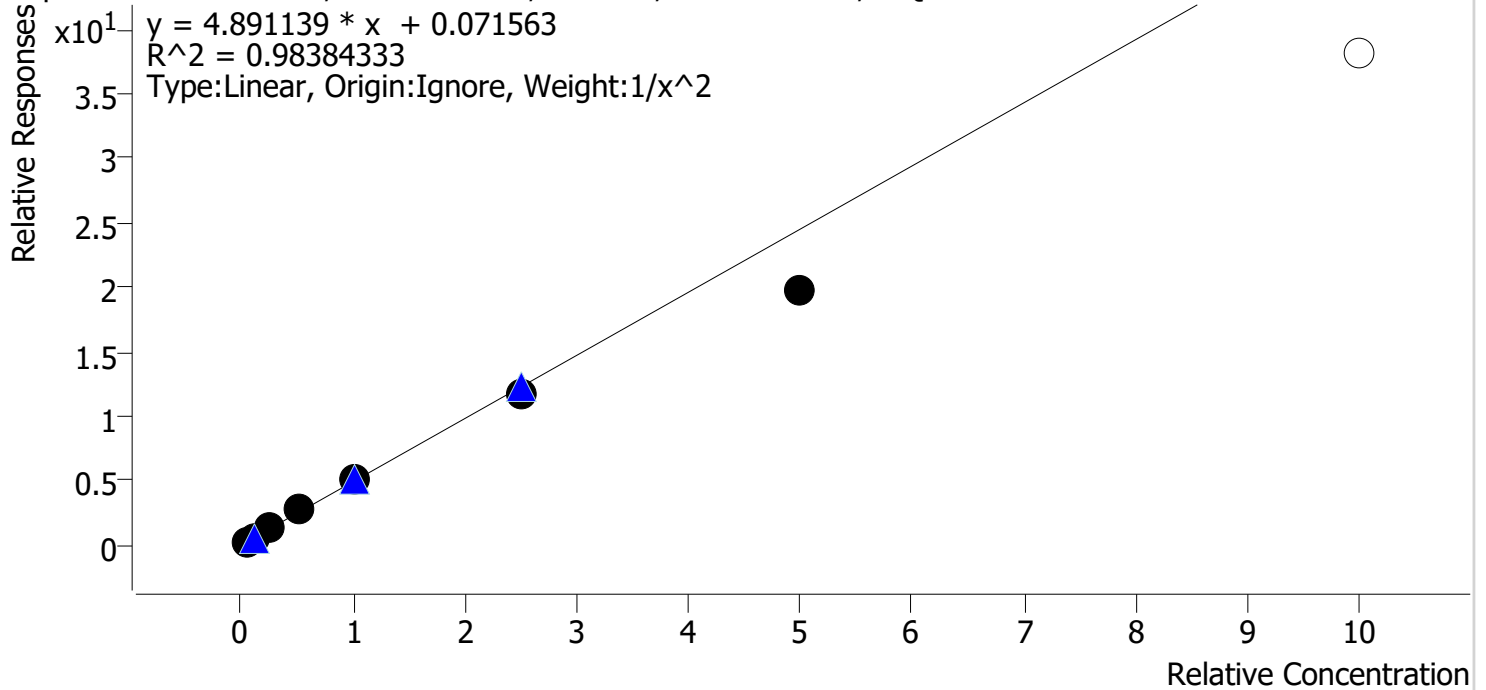
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.3
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	50.5	100.9
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	248.3	99.3
cal 7 mdq	7	✓	500.0	495.4	99.1
cal 8 mdq	8	✓	1000.0	1006.6	100.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Amphetamine *BW*

Internal Standard Amphetamine-D11

Amphetamine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



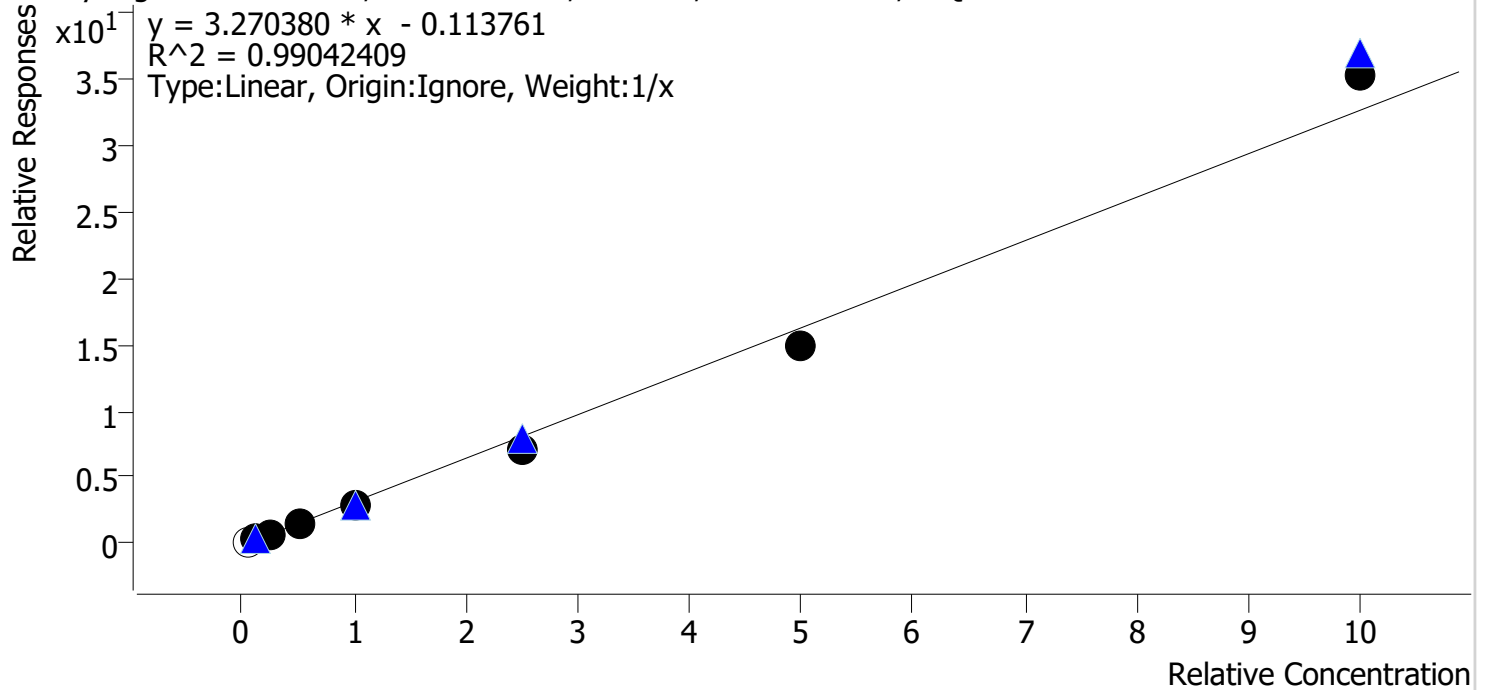
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.3
cal 2 mdq	2	✓	10.0	10.2	102.5
cal 3 mdq	3	✓	25.0	28.1	112.2
cal 4 mdq	4	✓	50.0	55.7	111.4
cal 5 mdq	5	✓	100.0	102.8	102.8
cal 6 mdq	6	✓	250.0	236.9	94.8
cal 7 mdq	7	✓	500.0	405.0	81.0
cal 8 mdq	8	✗	1000.0	777.9	77.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

BW

Benzoylecgonine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



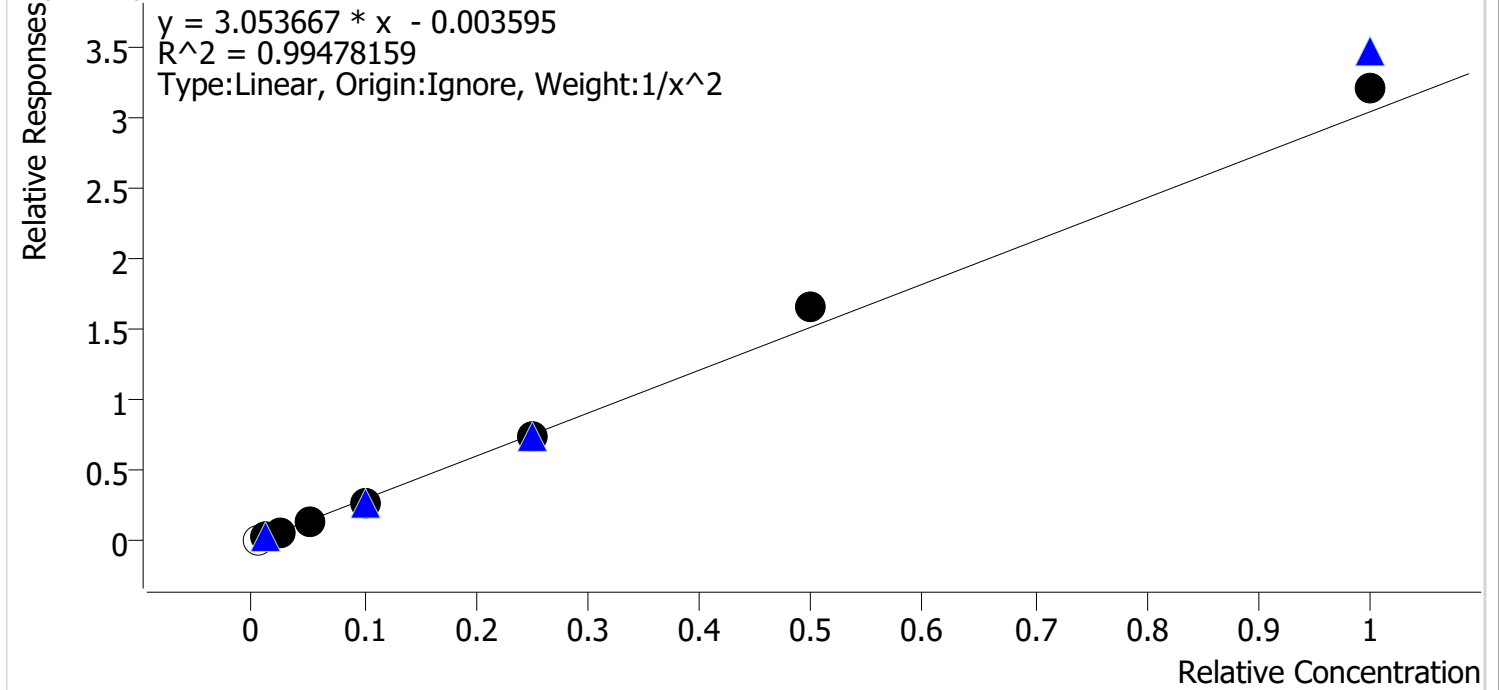
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	8.2	163.1
cal 2 mdq	2	✓	10.0	12.8	128.1
cal 3 mdq	3	✓	25.0	25.3	101.0
cal 4 mdq	4	✓	50.0	47.3	94.7
cal 5 mdq	5	✓	100.0	88.8	88.8
cal 6 mdq	6	✓	250.0	216.9	86.8
cal 7 mdq	7	✓	500.0	462.4	92.5
cal 8 mdq	8	✓	1000.0	1081.5	108.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Buprenorphine **Internal Standard** Buprenorphine-D4

BW

Buprenorphine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



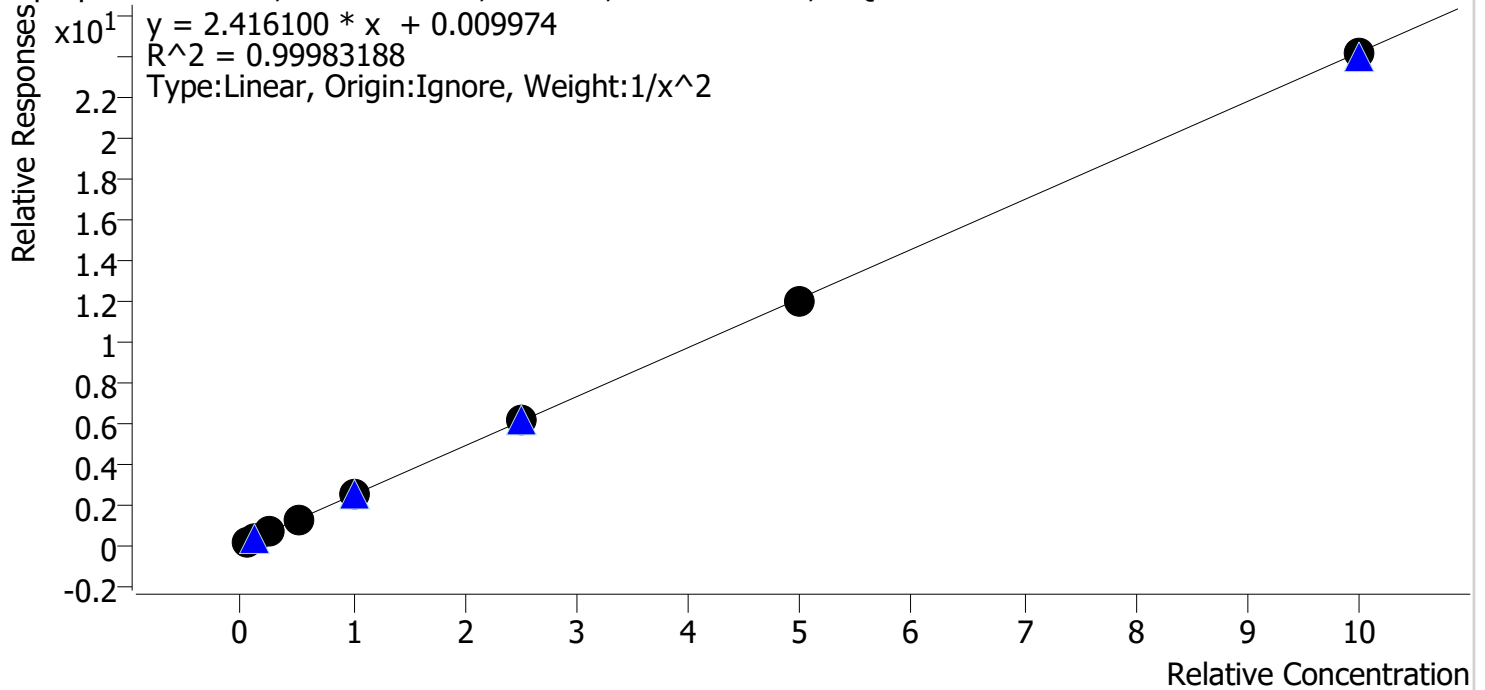
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	0.5	0.6	121.7
cal 2 mdq	2	✓	1.0	1.0	104.0
cal 3 mdq	3	✓	2.5	2.3	93.9
cal 4 mdq	4	✓	5.0	4.7	94.2
cal 5 mdq	5	✓	10.0	9.4	94.2
cal 6 mdq	6	✓	25.0	24.8	99.3
cal 7 mdq	7	✓	50.0	54.5	109.1
cal 8 mdq	8	✓	100.0	105.4	105.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Bupropion **Internal Standard** Bupropion-D9

BW

Bupropion - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.6
cal 2 mdq	2	✓	10.0	9.9	98.7
cal 3 mdq	3	✓	25.0	24.8	99.3
cal 4 mdq	4	✓	50.0	51.2	102.4
cal 5 mdq	5	✓	100.0	99.7	99.7
cal 6 mdq	6	✓	250.0	250.6	100.2
cal 7 mdq	7	✓	500.0	496.8	99.4
cal 8 mdq	8	✓	1000.0	997.4	99.7

Compound Calibration Report

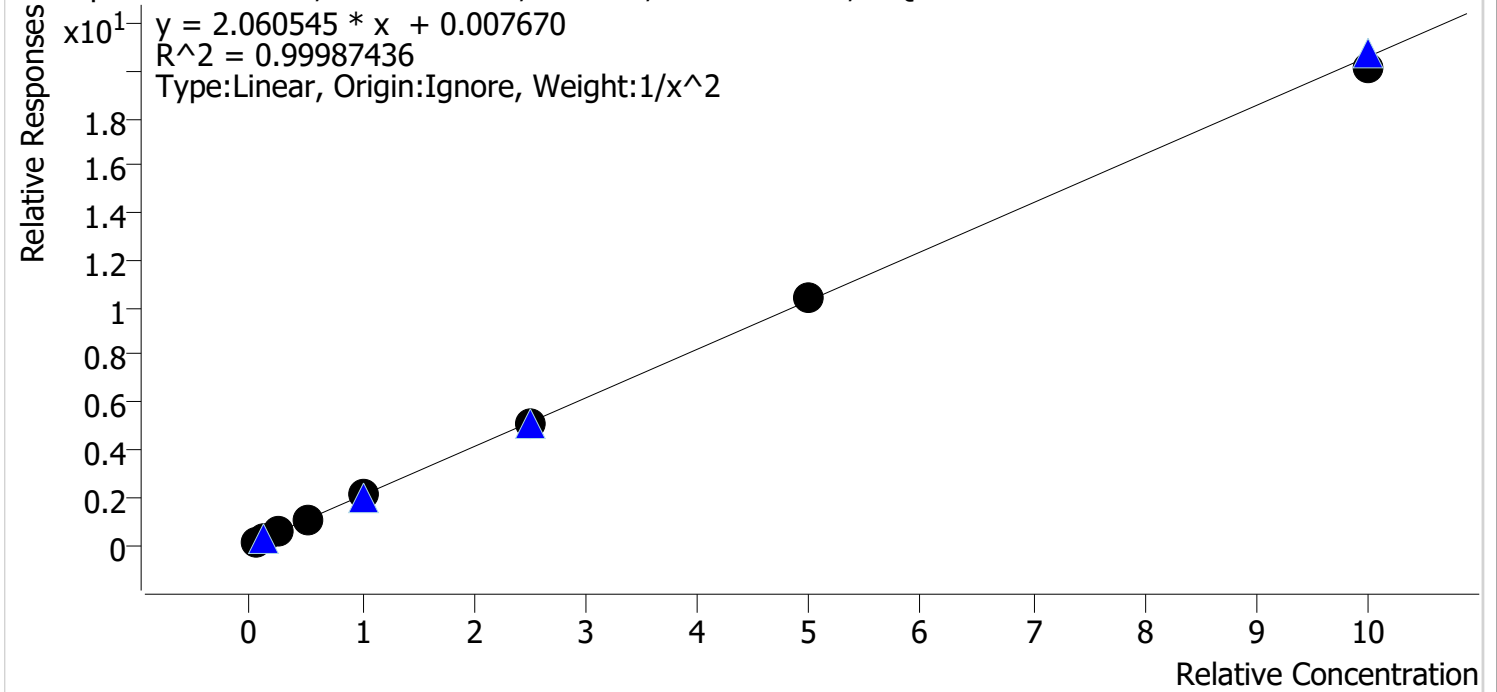
Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Carisoprodol

BW

Internal Standard

Carisoprodol-D7

Carisoprodol - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	49.9	99.9
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	249.9	100.0
cal 7 mdq	7	✓	500.0	504.6	100.9
cal 8 mdq	8	✓	1000.0	980.7	98.1

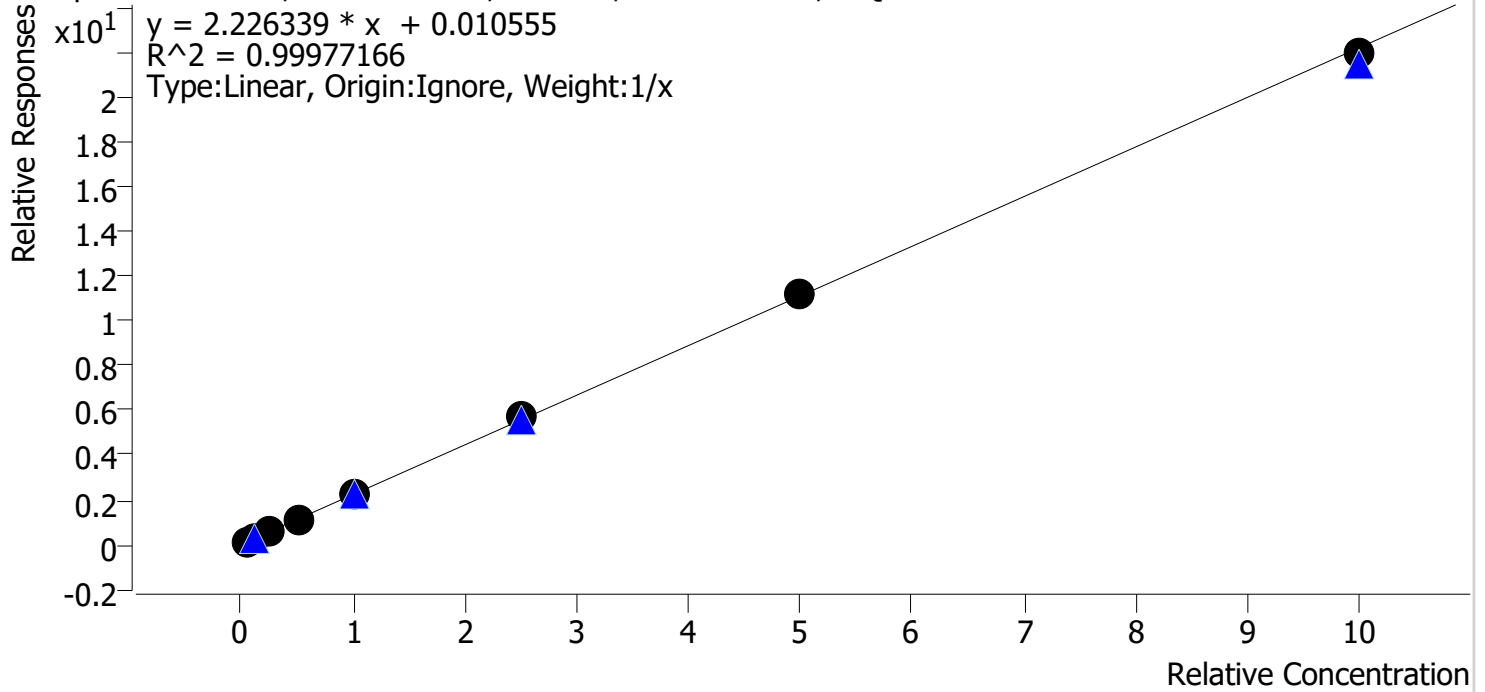
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Citalopram *BW*

Internal Standard

Citalopram-D6

Citalopram - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.4
cal 2 mdq	2	✓	10.0	9.5	95.2
cal 3 mdq	3	✓	25.0	25.3	101.2
cal 4 mdq	4	✓	50.0	51.6	103.3
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	254.7	101.9
cal 7 mdq	7	✓	500.0	503.2	100.6
cal 8 mdq	8	✓	1000.0	988.2	98.8

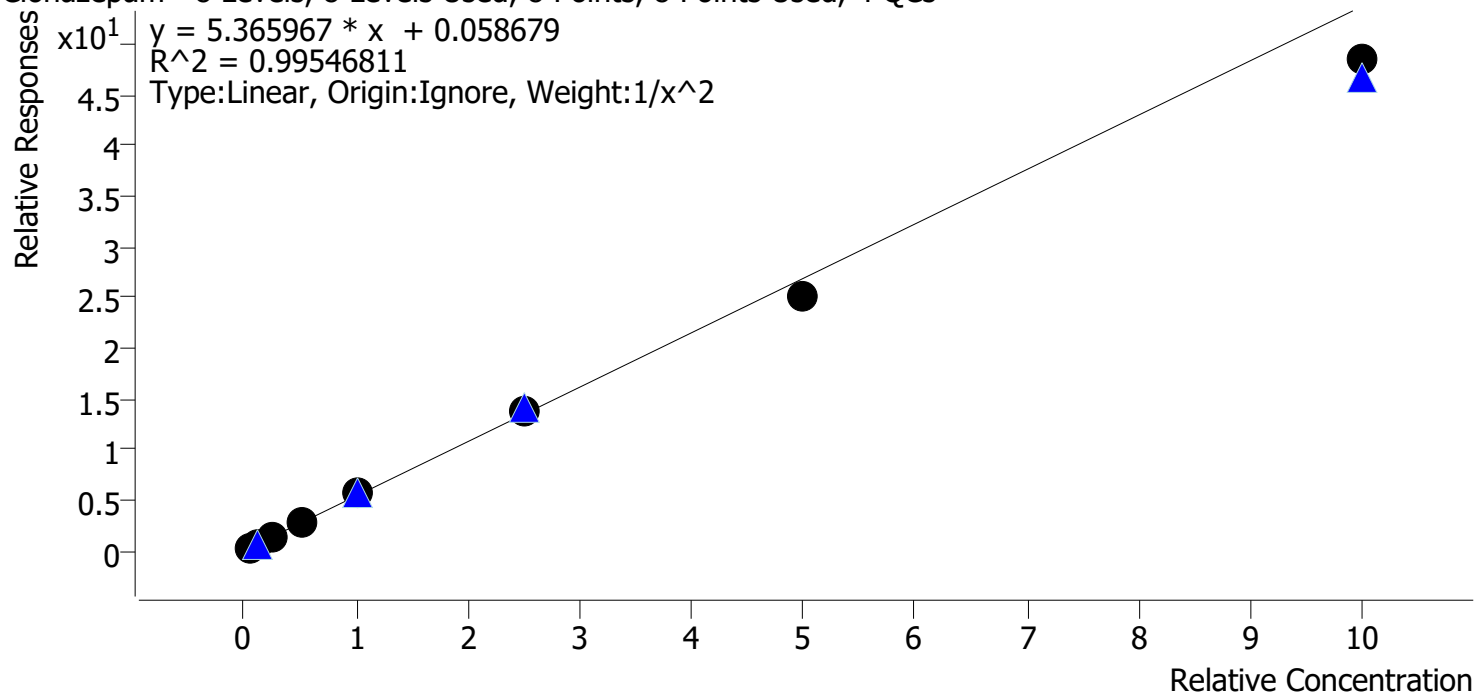
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Clonazepam

BW

Internal Standard Clonazepam-D4

Clonazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



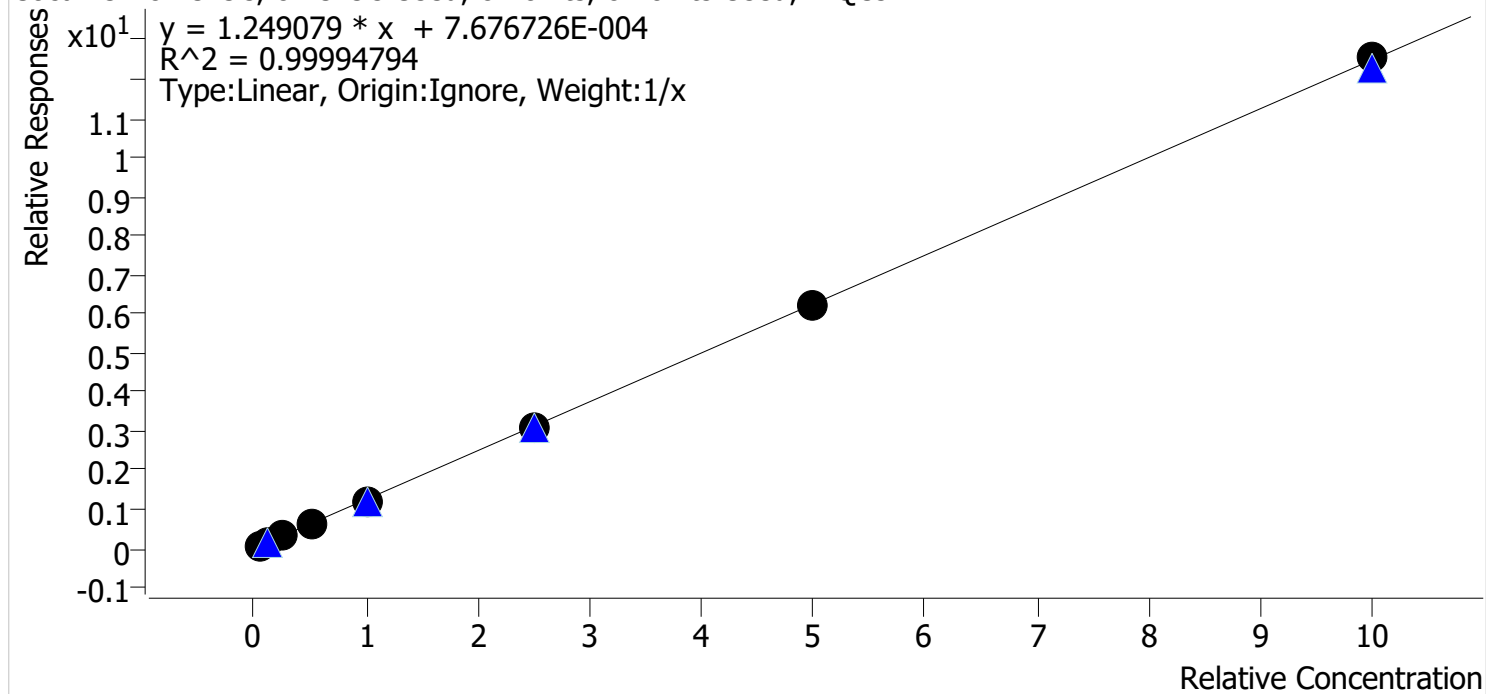
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.3
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	26.3	105.1
cal 4 mdq	4	✓	50.0	53.5	107.0
cal 5 mdq	5	✓	100.0	103.2	103.2
cal 6 mdq	6	✓	250.0	258.0	103.2
cal 7 mdq	7	✓	500.0	466.4	93.3
cal 8 mdq	8	✓	1000.0	902.1	90.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Cocaine *BW*

Internal Standard Cocaine-d3

Cocaine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.6
cal 2 mdq	2	✓	10.0	10.0	99.7
cal 3 mdq	3	✓	25.0	24.7	99.0
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	97.8	97.8
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	499.2	99.8
cal 8 mdq	8	✓	1000.0	1004.6	100.5

Compound Calibration Report

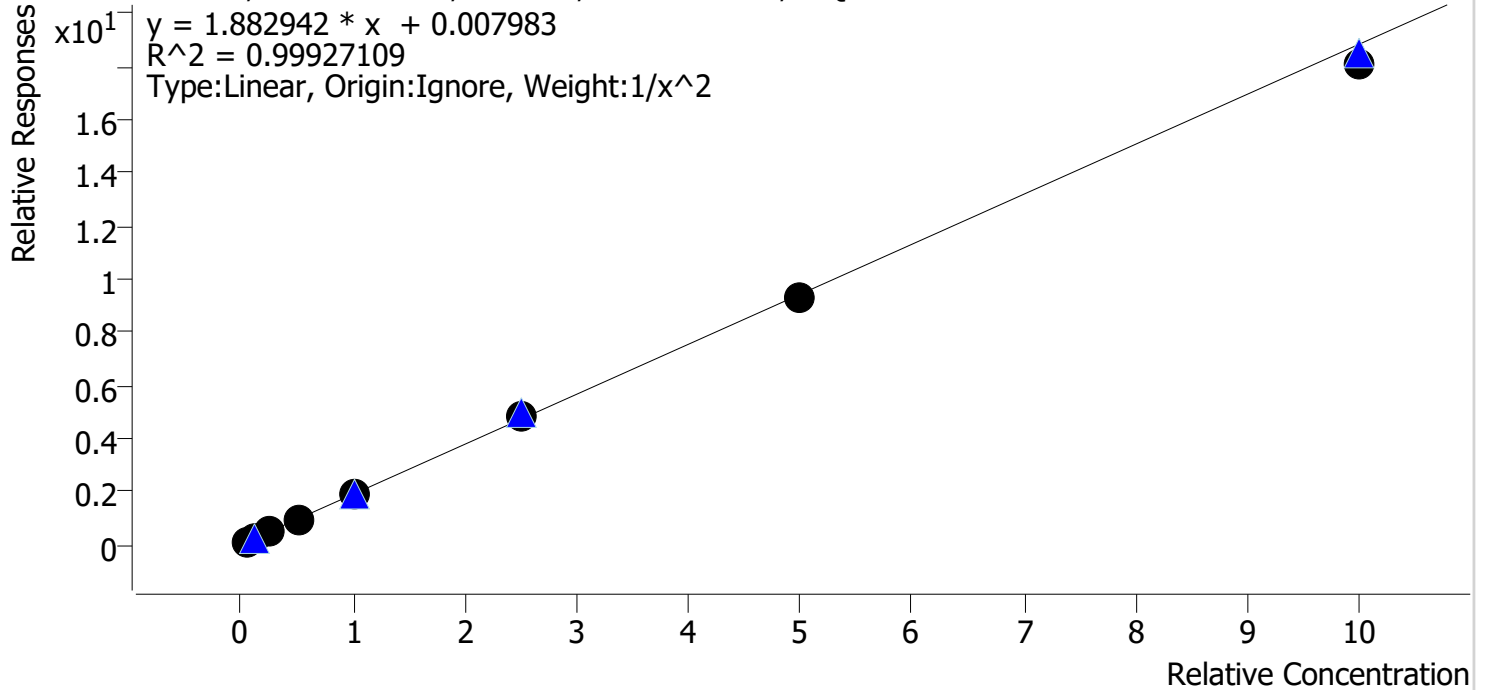
Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Codeine

BW

Internal Standard

Codeine-D6

Codeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



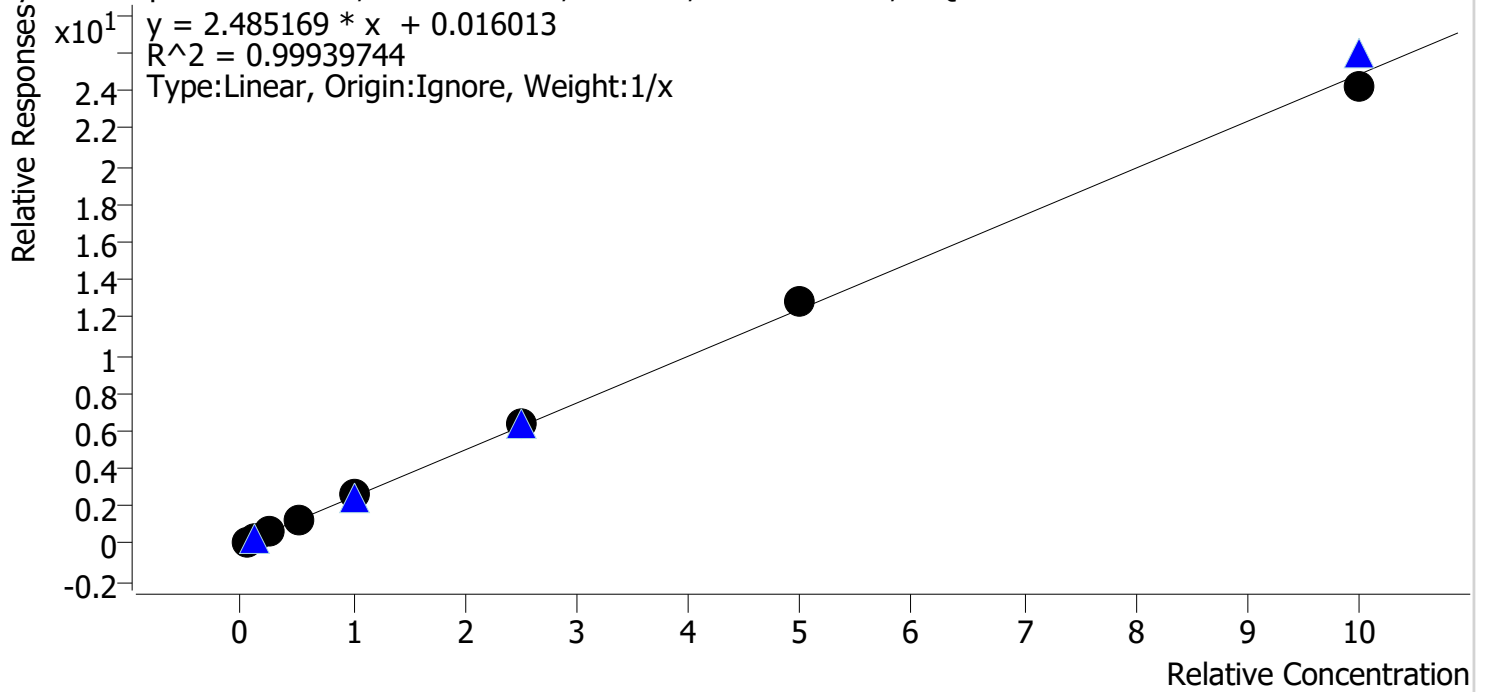
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	10.0	99.8
cal 3 mdq	3	✓	25.0	24.8	99.0
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	102.4	102.4
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✓	500.0	494.6	98.9
cal 8 mdq	8	✓	1000.0	957.2	95.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Cyclobenzaprine **Internal Standard** Cyclobenzaprine-D3

BW

Cyclobenzaprine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



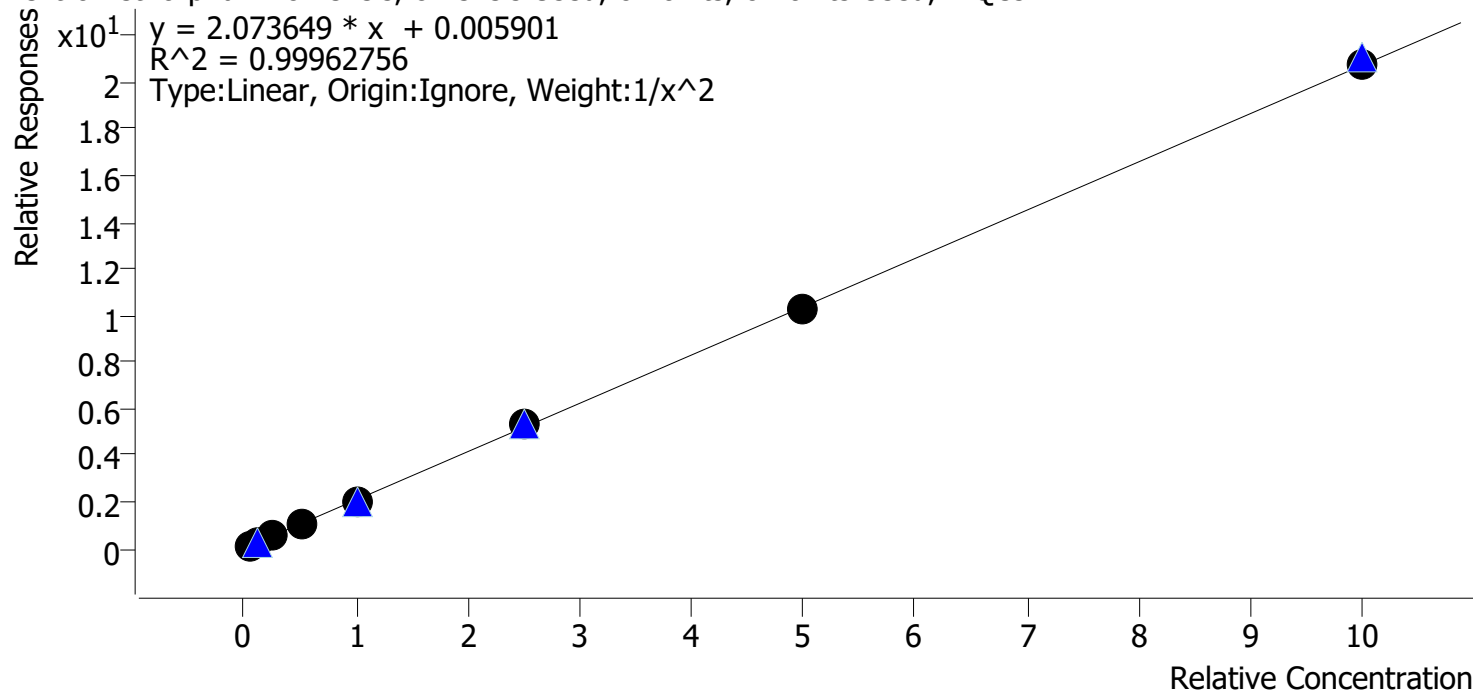
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.6	91.7
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	51.4	102.8
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	512.9	102.6
cal 8 mdq	8	✓	1000.0	978.1	97.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Dextromethorphan *BW*

Internal Standard Dextromethorphan-D3

Dextromethorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



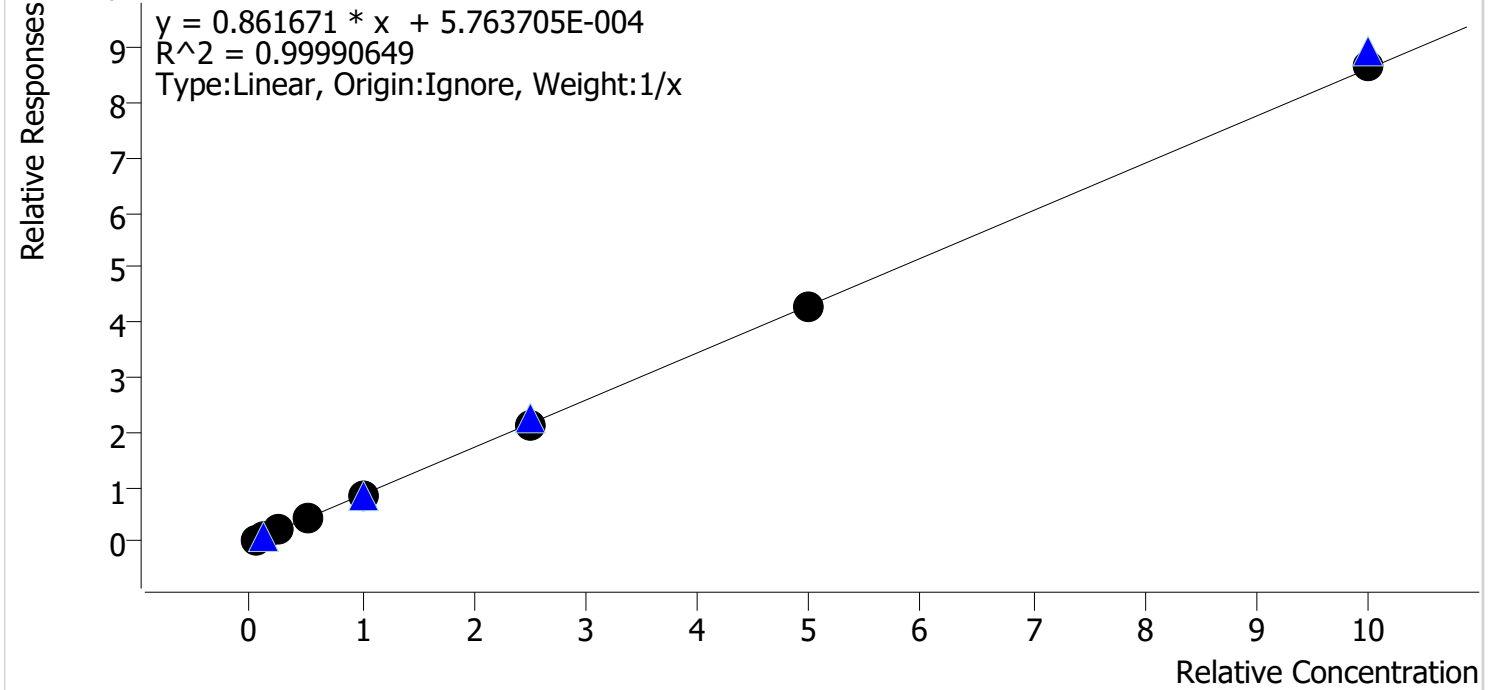
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	99.6
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	51.4	102.7
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	492.1	98.4
cal 8 mdq	8	✓	1000.0	1004.8	100.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Dextrorphan *BW*

Internal Standard Dextrorphan-D3

Dextrorphan - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



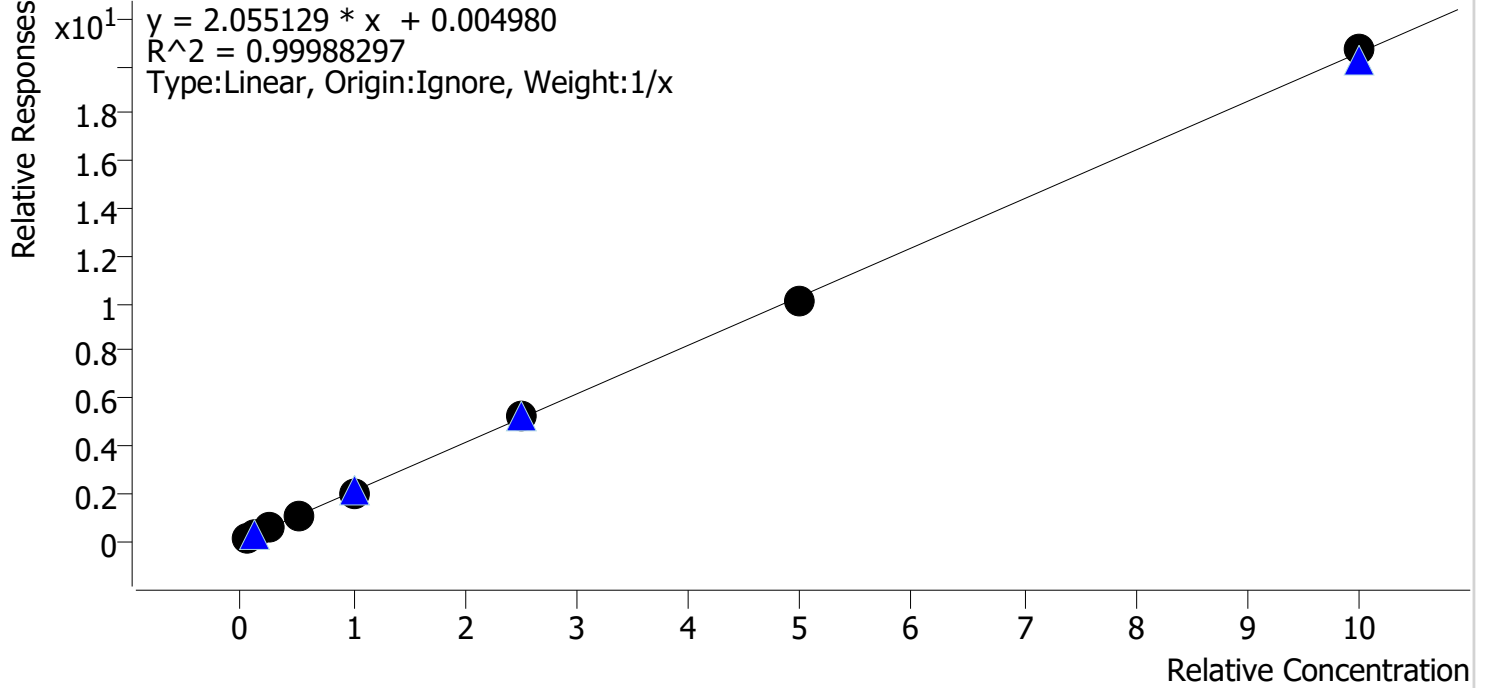
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	10.1	100.8
cal 3 mdq	3	✓	25.0	24.7	98.9
cal 4 mdq	4	✓	50.0	50.7	101.3
cal 5 mdq	5	✓	100.0	98.2	98.2
cal 6 mdq	6	✓	250.0	249.6	99.8
cal 7 mdq	7	✓	500.0	494.4	98.9
cal 8 mdq	8	✓	1000.0	1007.3	100.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Diazepam **Internal Standard** Diazepam-D5

BW

Diazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

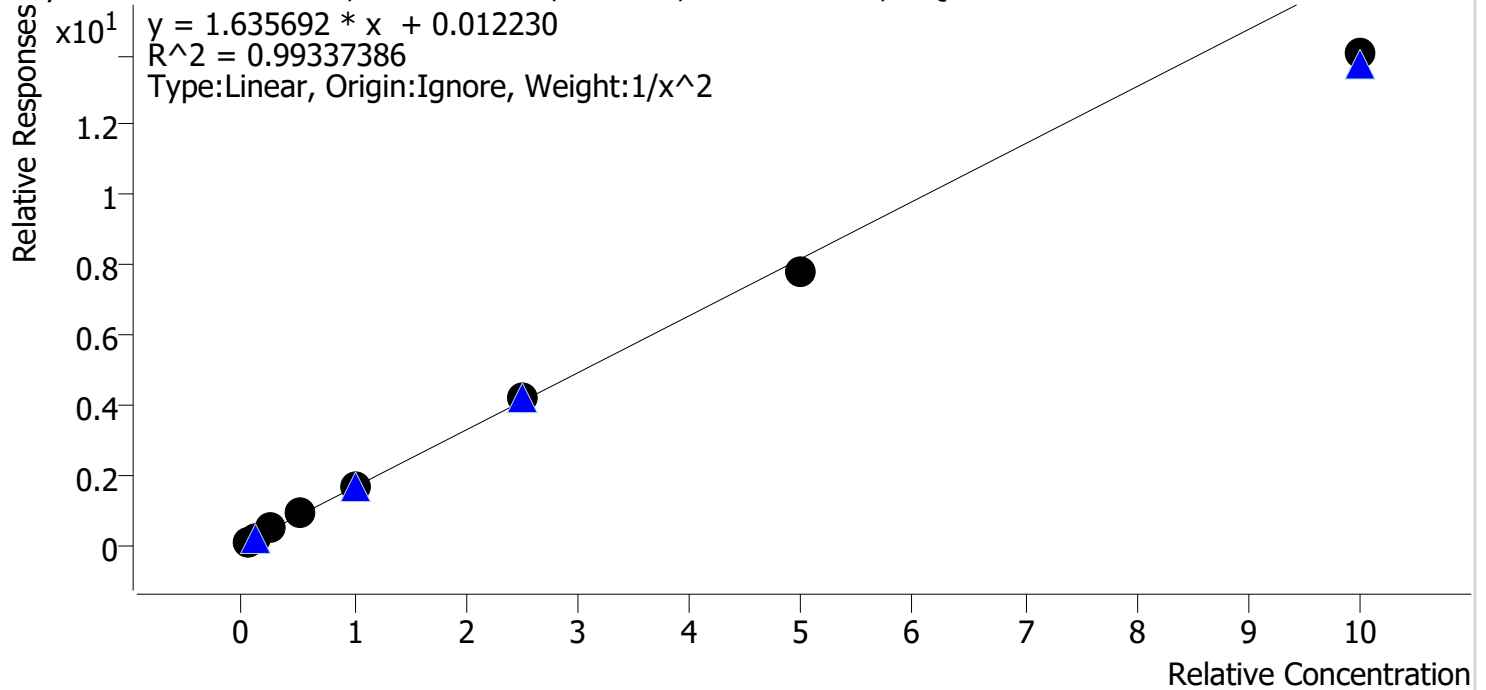


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	51.0	102.1
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	493.6	98.7
cal 8 mdq	8	✓	1000.0	1006.3	100.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM *BW*
Analyst Name ISP\datastor
Analyte Dihydrocodeine **Internal Standard** Dihydrocodeine-D6

Dihydrocodeine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



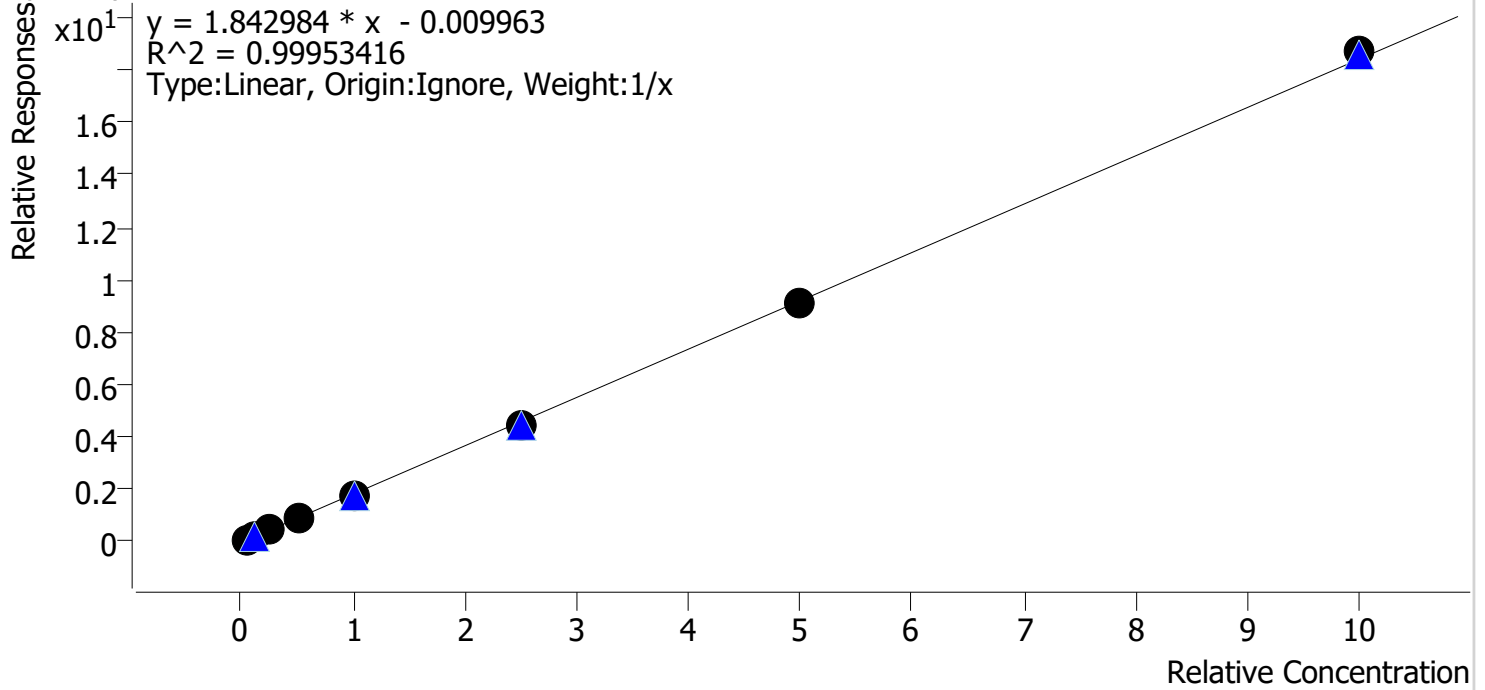
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	10.2	102.2
cal 3 mdq	3	✓	25.0	26.5	105.8
cal 4 mdq	4	✓	50.0	54.0	108.0
cal 5 mdq	5	✓	100.0	104.0	104.0
cal 6 mdq	6	✓	250.0	253.6	101.4
cal 7 mdq	7	✓	500.0	479.1	95.8
cal 8 mdq	8	✓	1000.0	858.0	85.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Diphenhydramine **Internal Standard** Diphenhydramine-D3

BW

Diphenhydramine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



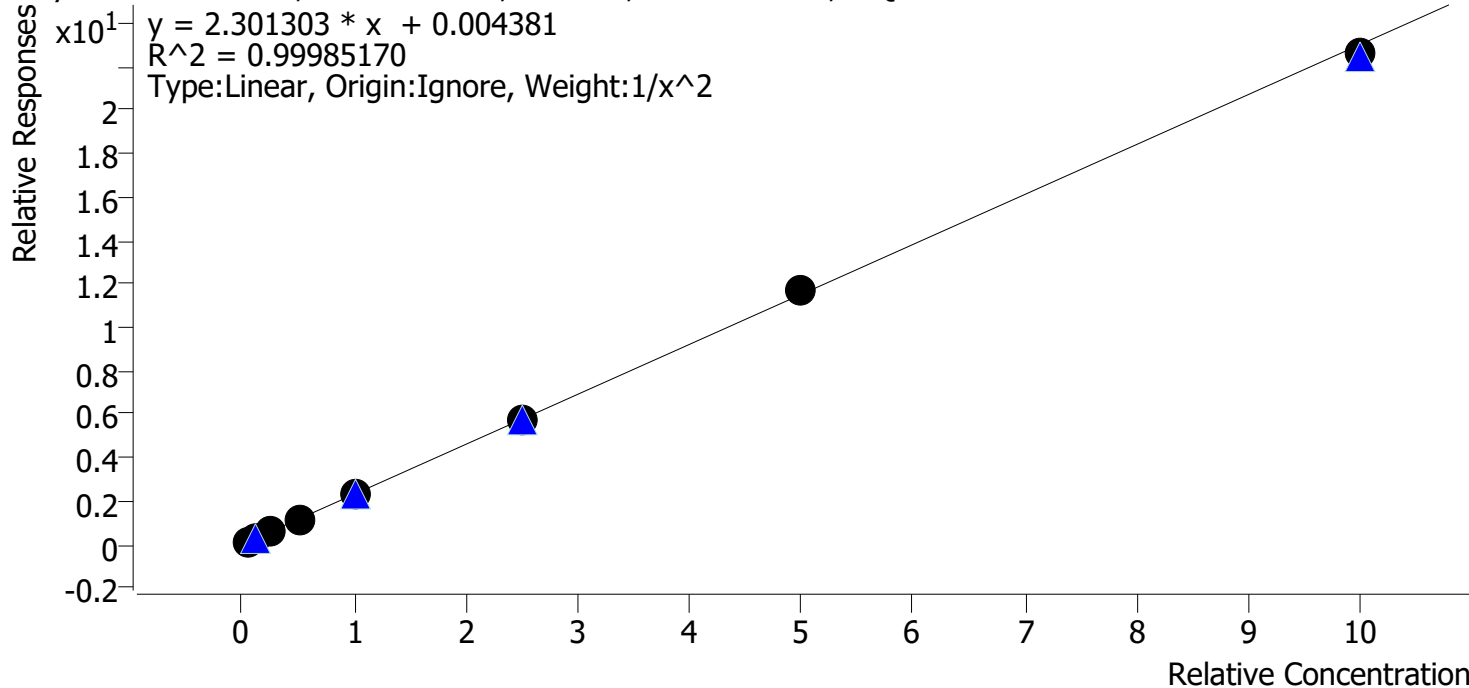
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.5	110.2
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.5	98.2
cal 4 mdq	4	✓	50.0	48.8	97.5
cal 5 mdq	5	✓	100.0	94.3	94.3
cal 6 mdq	6	✓	250.0	243.9	97.5
cal 7 mdq	7	✓	500.0	497.1	99.4
cal 8 mdq	8	✓	1000.0	1015.7	101.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Doxylamine Internal Standard Doxylamine-D5

BW

Doxylamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



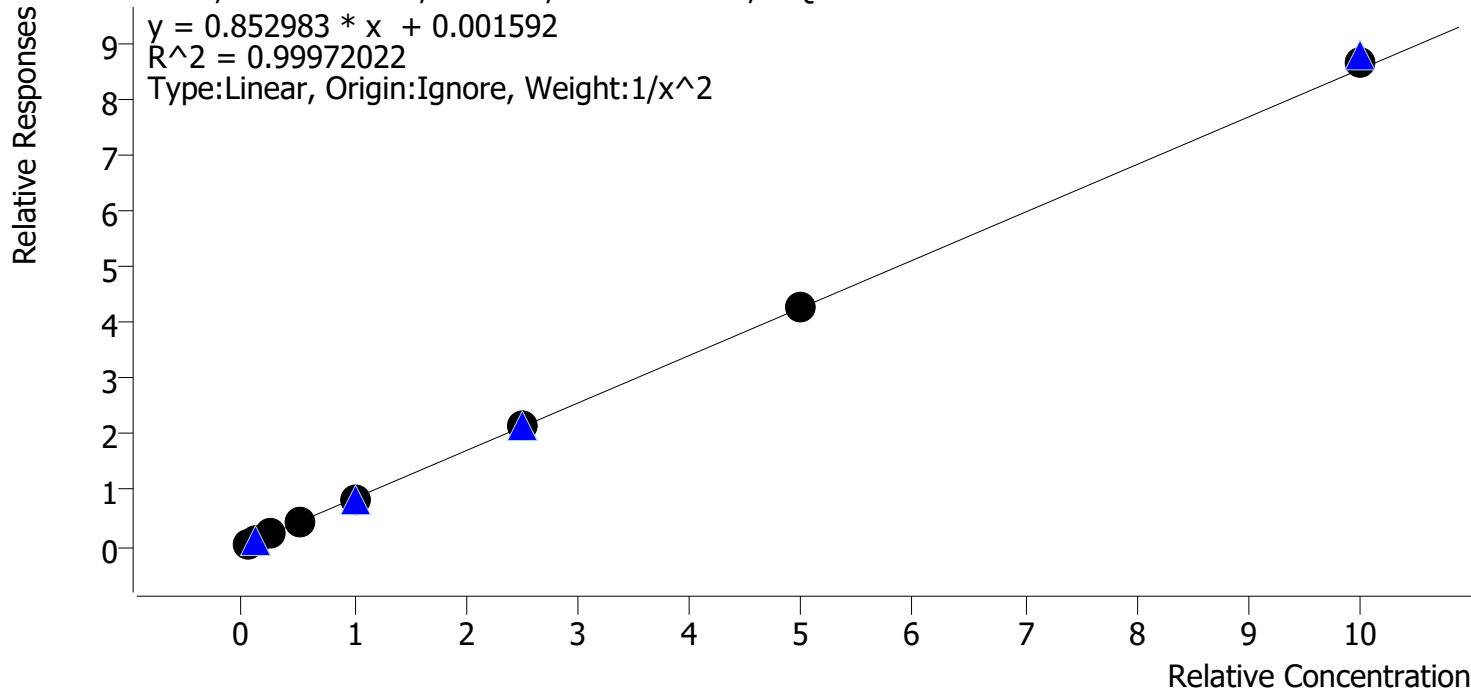
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.3	100.7
cal 5 mdq	5	✓	100.0	99.2	99.2
cal 6 mdq	6	✓	250.0	251.0	100.4
cal 7 mdq	7	✓	500.0	508.9	101.8
cal 8 mdq	8	✓	1000.0	981.9	98.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte EDDP Internal Standard EDDP-D3

BW

EDDP - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



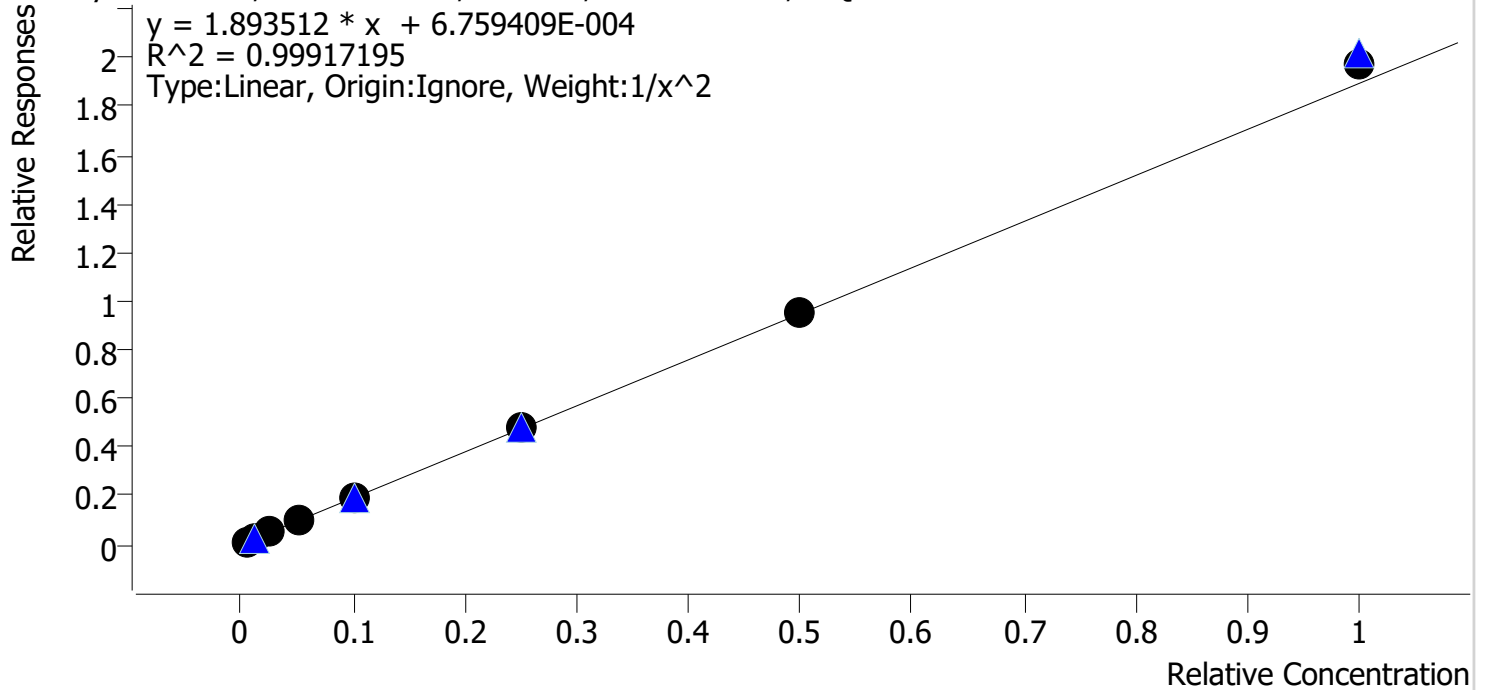
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.4
cal 2 mdq	2	✓	10.0	9.8	97.7
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	50.1	100.3
cal 5 mdq	5	✓	100.0	99.0	99.0
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	498.2	99.6
cal 8 mdq	8	✓	1000.0	1017.2	101.7

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Fentanyl **Internal Standard** Fentanyl-D5

BW

Fentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



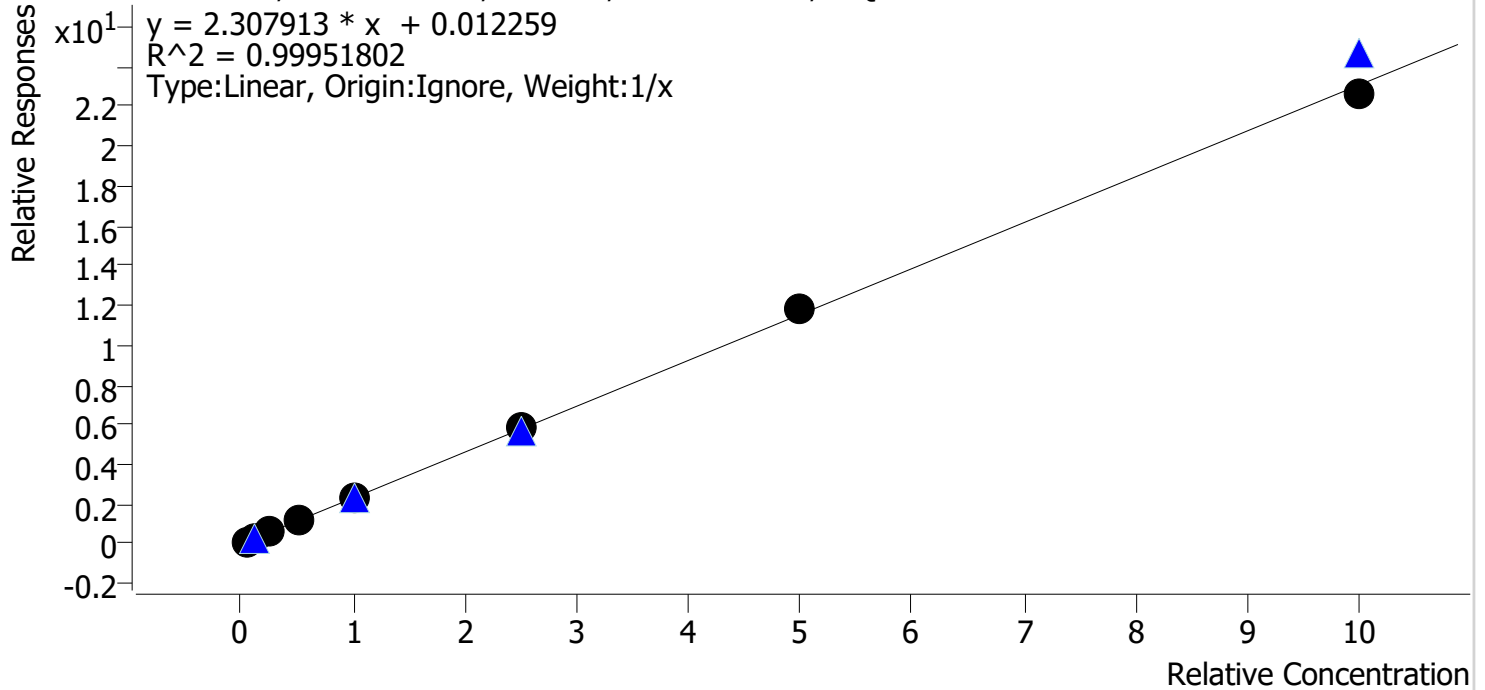
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	101.0
cal 2 mdq	2	✓	1.0	1.0	99.4
cal 3 mdq	3	✓	2.5	2.4	96.5
cal 4 mdq	4	✓	5.0	5.0	100.6
cal 5 mdq	5	✓	10.0	9.7	97.1
cal 6 mdq	6	✓	25.0	25.2	100.6
cal 7 mdq	7	✓	50.0	50.1	100.2
cal 8 mdq	8	✓	100.0	104.5	104.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Fluoxetine *BW*

Internal Standard Fluoxetine-D6

Fluoxetine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



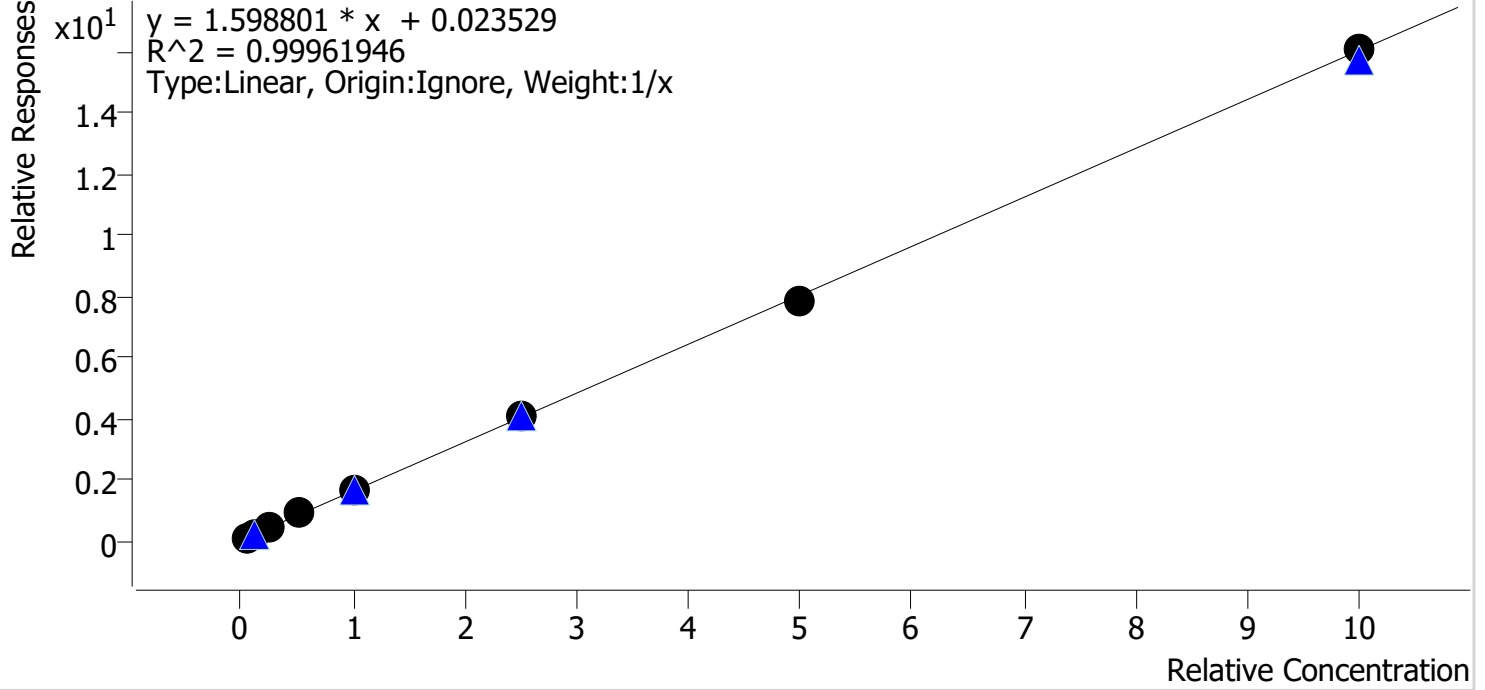
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.2
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.2	100.7
cal 4 mdq	4	✓	50.0	51.1	102.1
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	512.9	102.6
cal 8 mdq	8	✓	1000.0	980.8	98.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Hydrocodone **Internal Standard** Hydrocodone-D6

BW

Hydrocodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



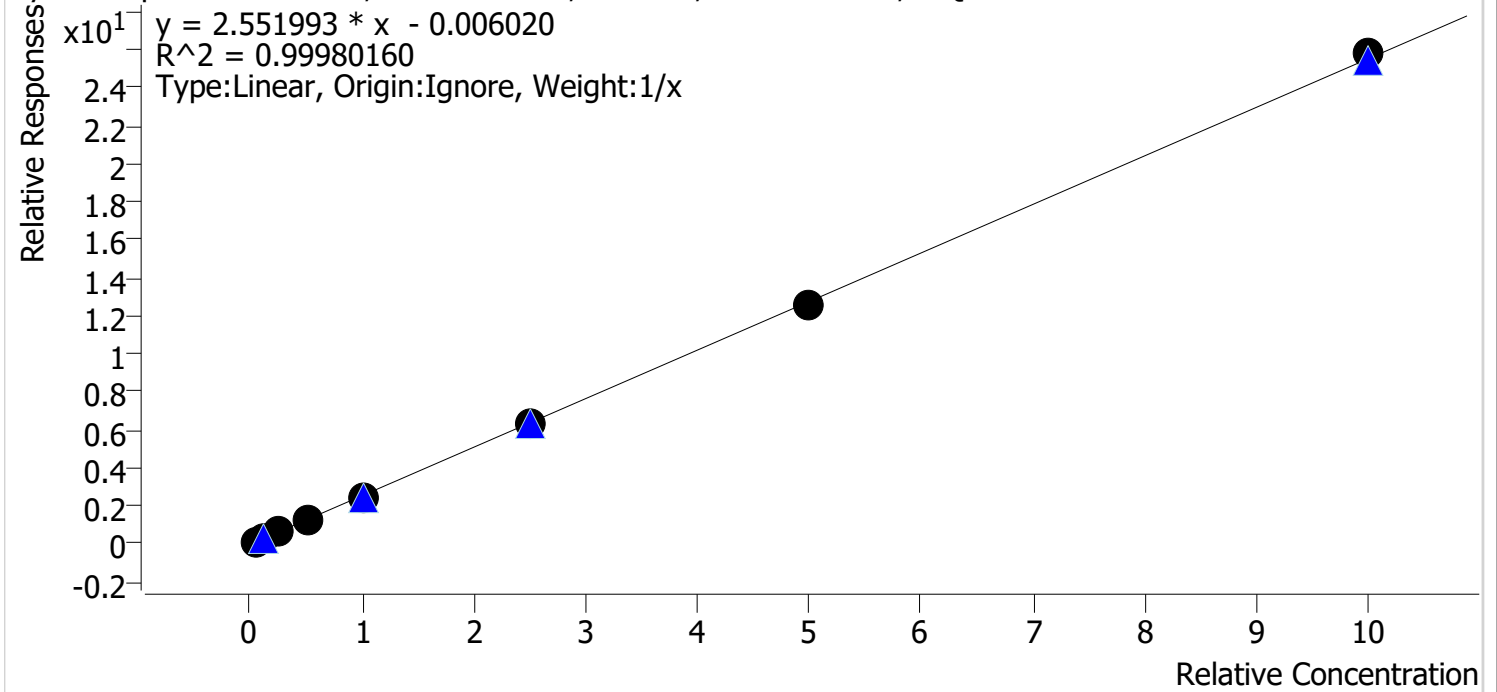
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.4	88.4
cal 2 mdq	2	✓	10.0	9.9	98.8
cal 3 mdq	3	✓	25.0	26.5	106.0
cal 4 mdq	4	✓	50.0	52.8	105.5
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	254.2	101.7
cal 7 mdq	7	✓	500.0	488.6	97.7
cal 8 mdq	8	✓	1000.0	1002.0	100.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Hydromorphone **Internal Standard** Hydromorphone-D6

BW

Hydromorphone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



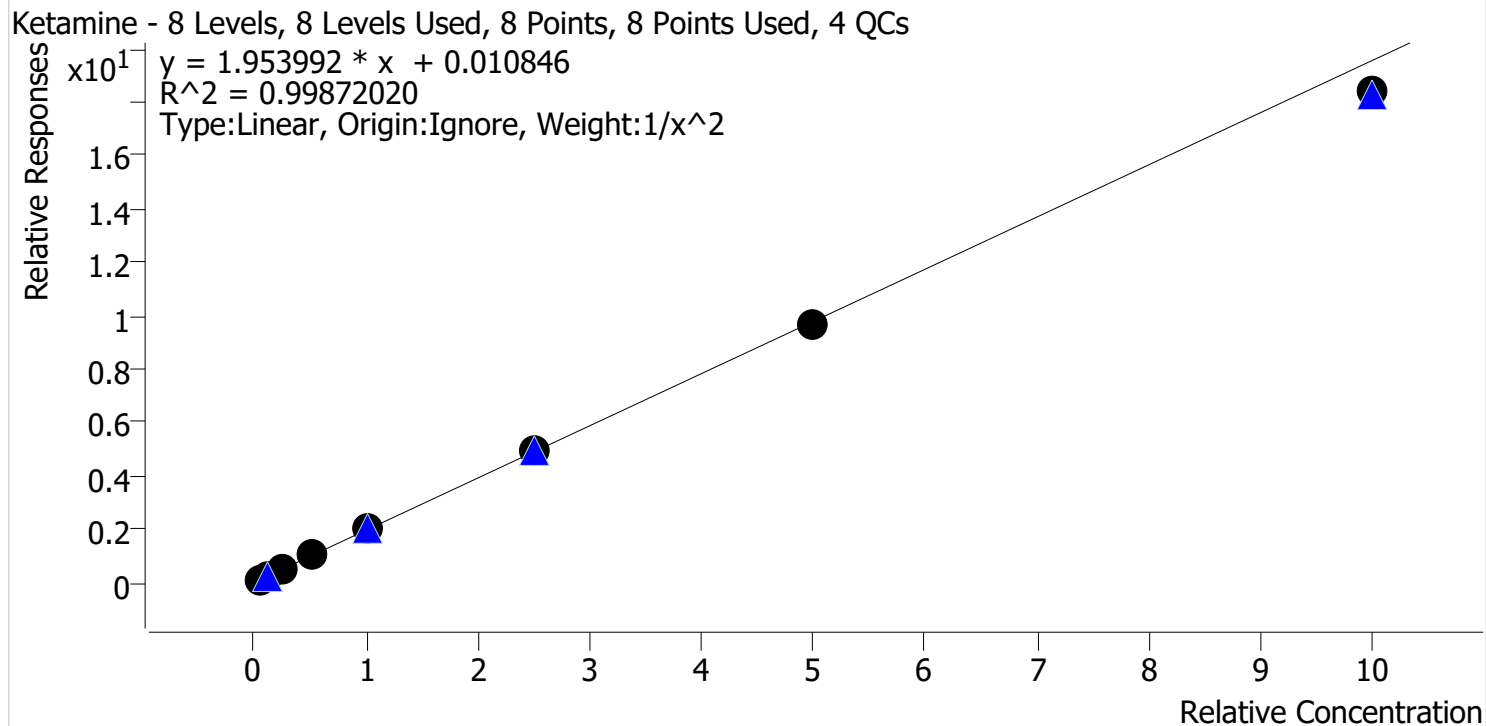
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.2
cal 2 mdq	2	✓	10.0	10.3	103.4
cal 3 mdq	3	✓	25.0	23.9	95.6
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	97.6	97.6
cal 6 mdq	6	✓	250.0	249.1	99.7
cal 7 mdq	7	✓	500.0	492.7	98.5
cal 8 mdq	8	✓	1000.0	1010.7	101.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Ketamine

BW

Internal Standard Ketamine-D4



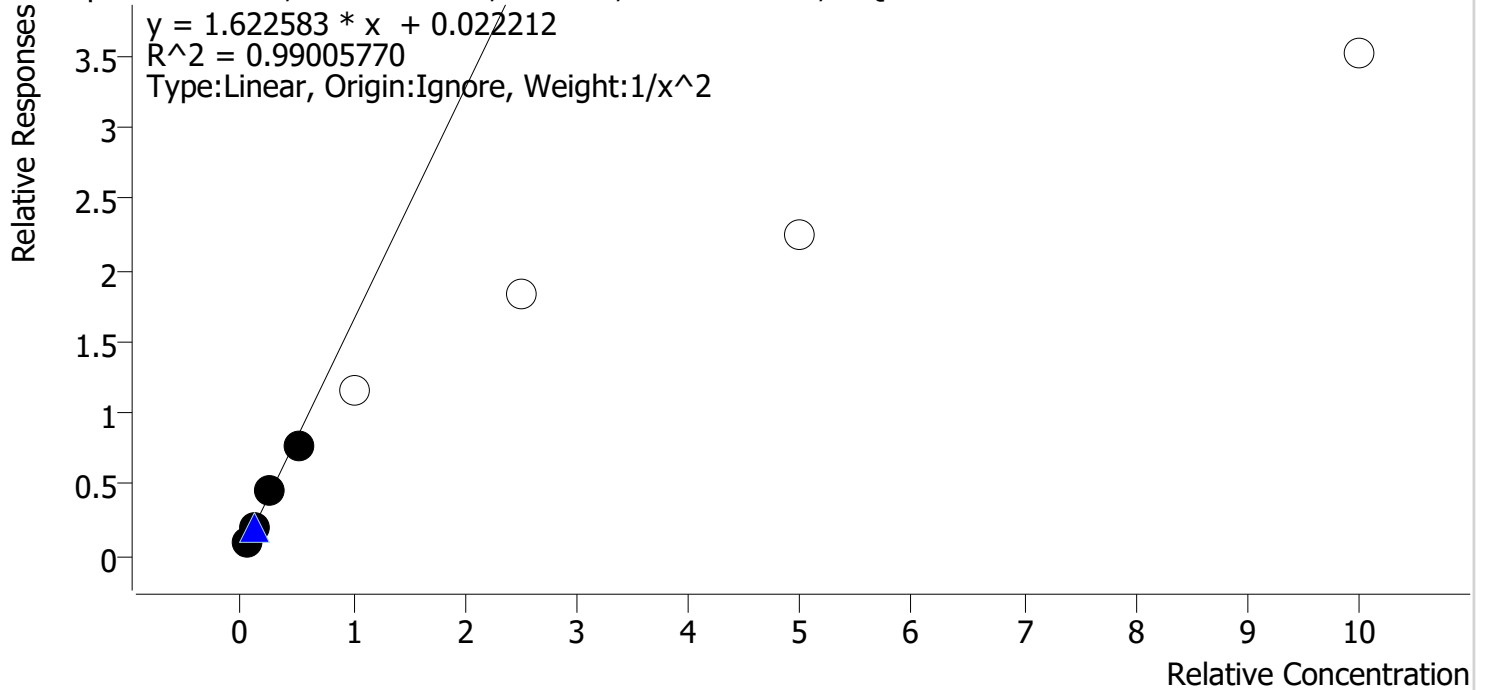
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	99.0
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.7	103.0
cal 4 mdq	4	✓	50.0	52.1	104.3
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	251.7	100.7
cal 7 mdq	7	✓	500.0	491.4	98.3
cal 8 mdq	8	✓	1000.0	940.4	94.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Lorazepam *BW*

Internal Standard Diazepam-D5

Lorazepam - 8 Levels, 4 Levels Used, 8 Points, 4 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	10.6	105.7
cal 3 mdq	3	✓	25.0	26.5	106.0
cal 4 mdq	4	✓	50.0	45.7	91.5
cal 5 mdq	5	✗	100.0	70.8	70.8
cal 6 mdq	6	✗	250.0	111.5	44.6
cal 7 mdq	7	✗	500.0	136.7	27.3
cal 8 mdq	8	✗	1000.0	215.2	21.5

Compound Calibration Report

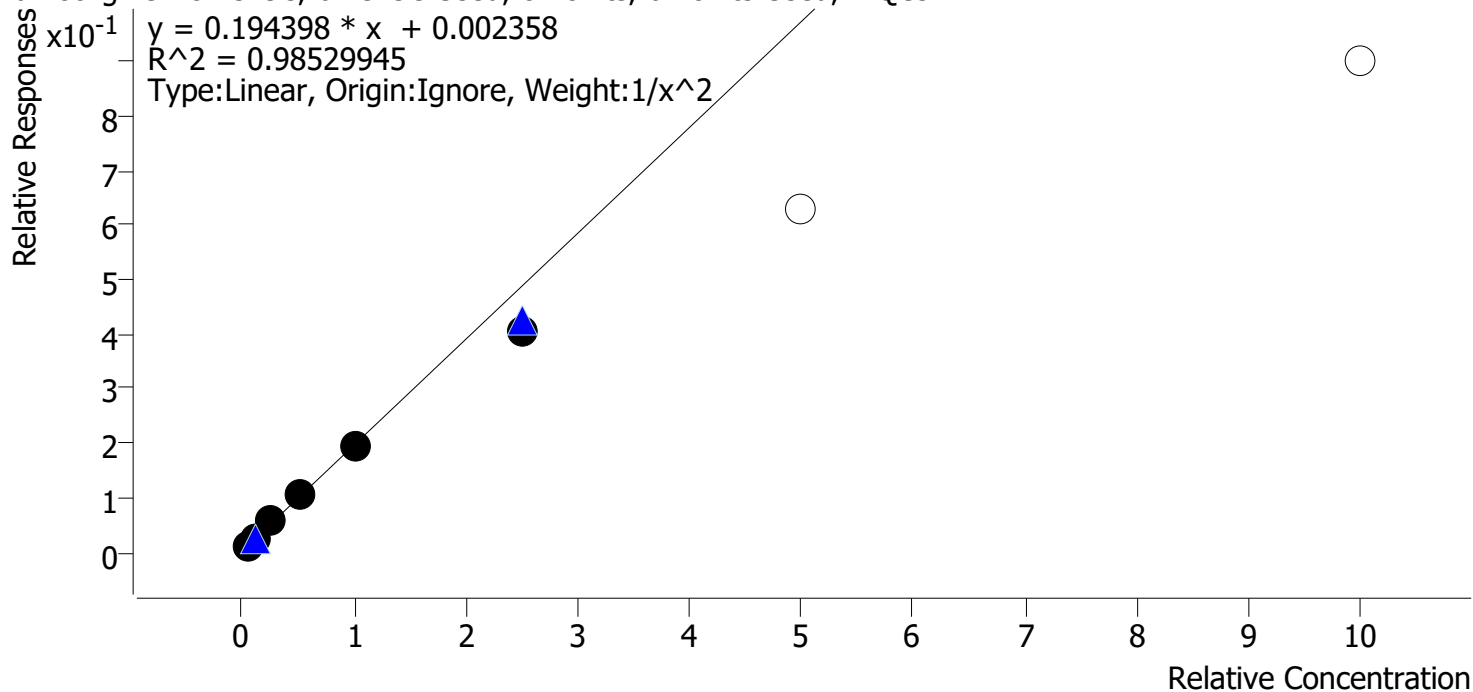
Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Lamotrigine

BW

Internal Standard

Ketamine-D4

Lamotrigine - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.5
cal 2 mdq	2	✓	10.0	10.4	104.0
cal 3 mdq	3	✓	25.0	27.6	110.3
cal 4 mdq	4	✓	50.0	53.9	107.7
cal 5 mdq	5	✓	100.0	99.6	99.6
cal 6 mdq	6	✓	250.0	207.2	82.9
cal 7 mdq	7	✗	500.0	321.7	64.3
cal 8 mdq	8	✗	1000.0	463.2	46.3

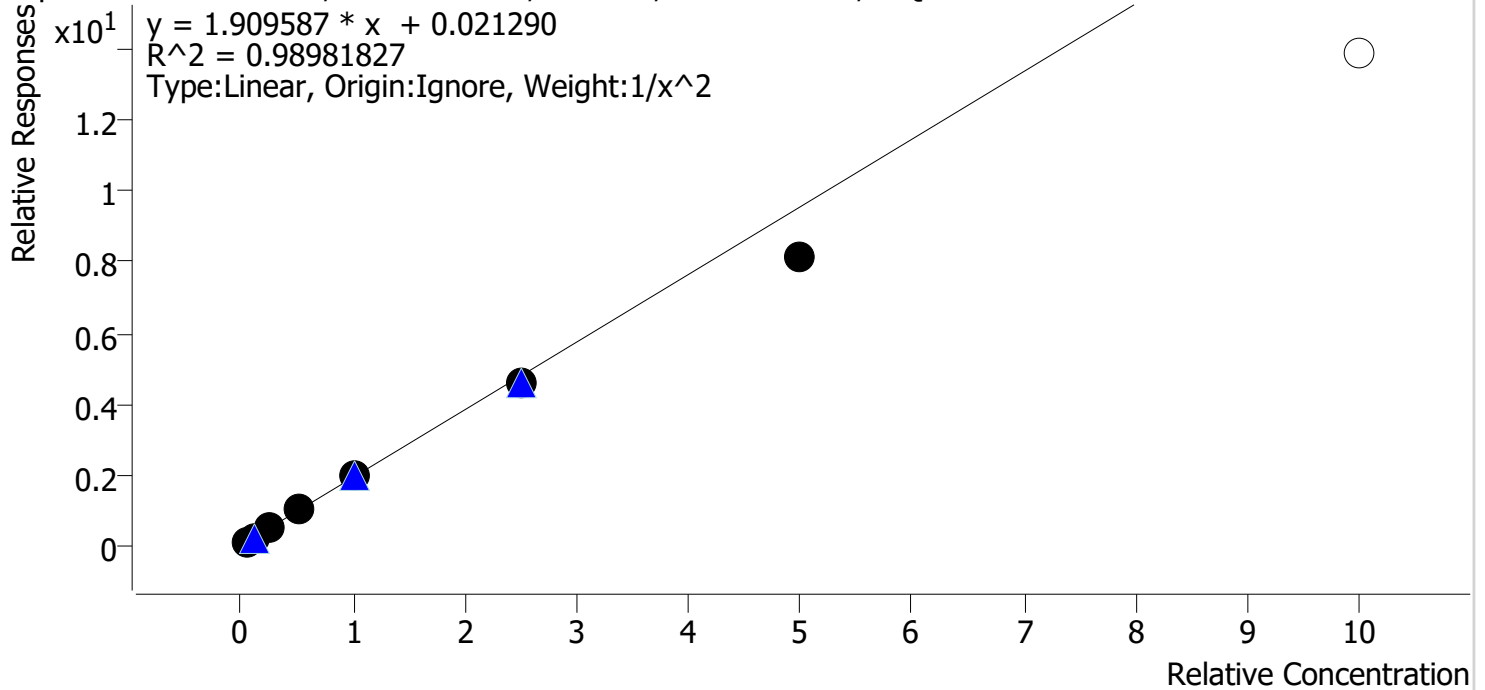
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Meprobamate *BW*

Internal Standard

Meprobamate-D7

Meprobamate - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



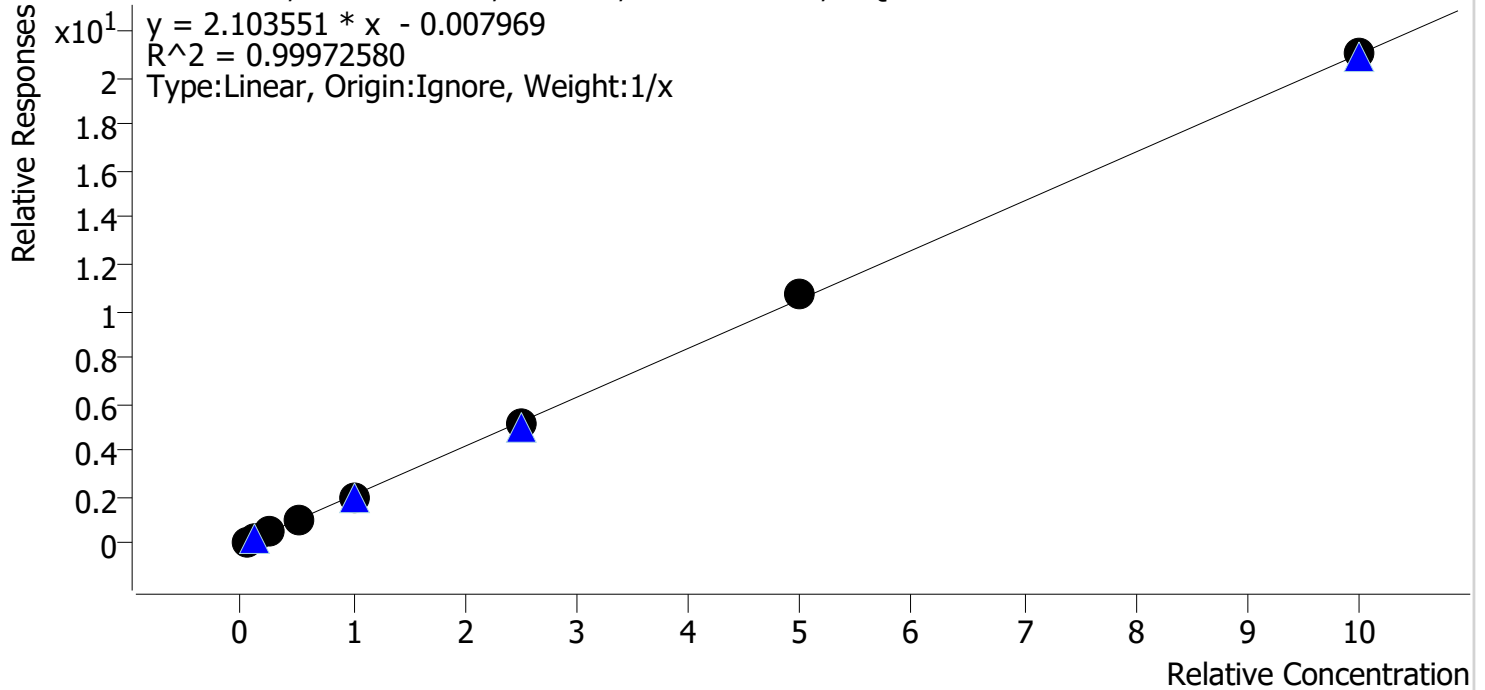
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	95.7
cal 2 mdq	2	✓	10.0	10.4	103.8
cal 3 mdq	3	✓	25.0	27.0	108.1
cal 4 mdq	4	✓	50.0	54.6	109.2
cal 5 mdq	5	✓	100.0	102.7	102.7
cal 6 mdq	6	✓	250.0	239.5	95.8
cal 7 mdq	7	✓	500.0	423.7	84.7
cal 8 mdq	8	✗	1000.0	726.5	72.6

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Methadone *BW*

Internal Standard Methadone-D9

Methadone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



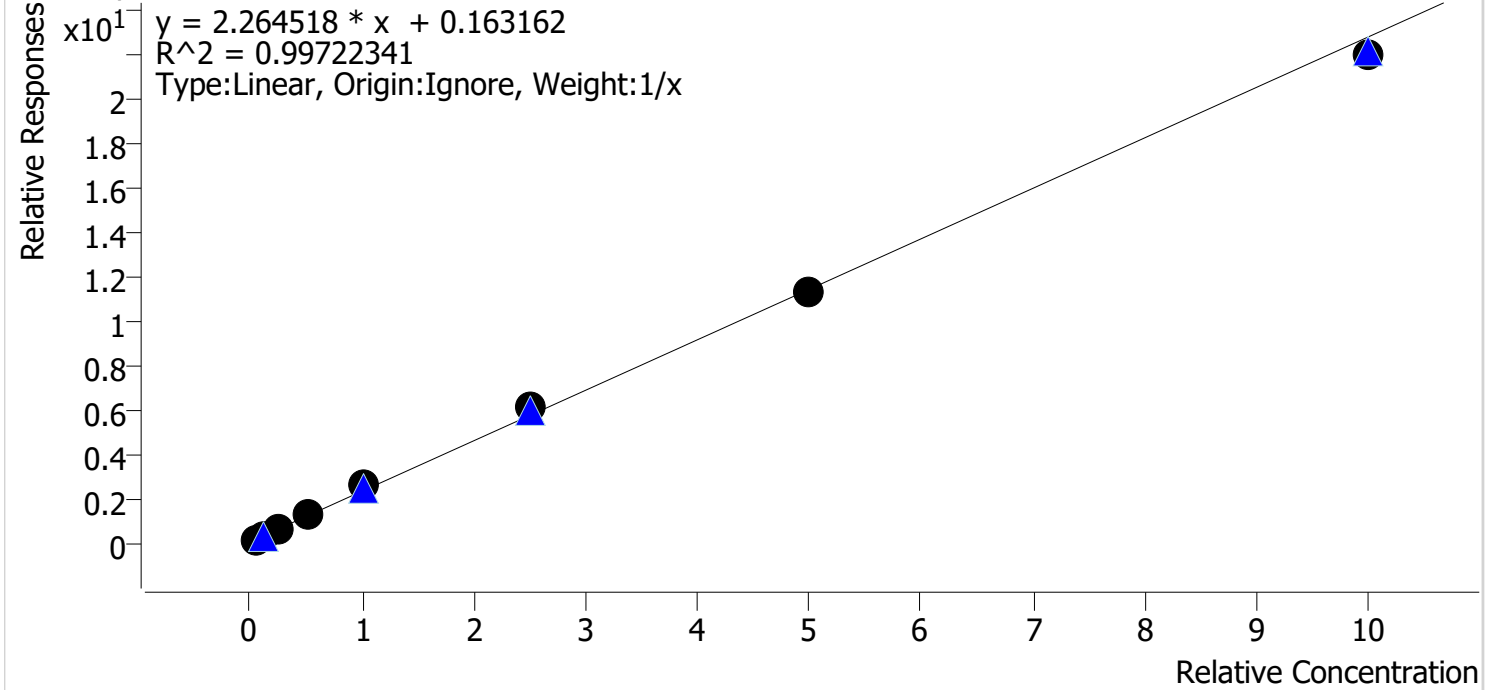
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.3	106.2
cal 2 mdq	2	✓	10.0	10.1	100.5
cal 3 mdq	3	✓	25.0	24.0	96.0
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	97.9	97.9
cal 6 mdq	6	✓	250.0	242.6	97.0
cal 7 mdq	7	✓	500.0	508.9	101.8
cal 8 mdq	8	✓	1000.0	1001.0	100.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Methamphetamine **Internal Standard** **Methamphetamine-D11**

BW

Methamphetamine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.7	74.8
cal 2 mdq	2	✓	10.0	9.1	91.5
cal 3 mdq	3	✓	25.0	26.6	106.6
cal 4 mdq	4	✓	50.0	56.8	113.6
cal 5 mdq	5	✓	100.0	109.4	109.4
cal 6 mdq	6	✓	250.0	269.4	107.8
cal 7 mdq	7	✓	500.0	497.9	99.6
cal 8 mdq	8	✓	1000.0	966.9	96.7

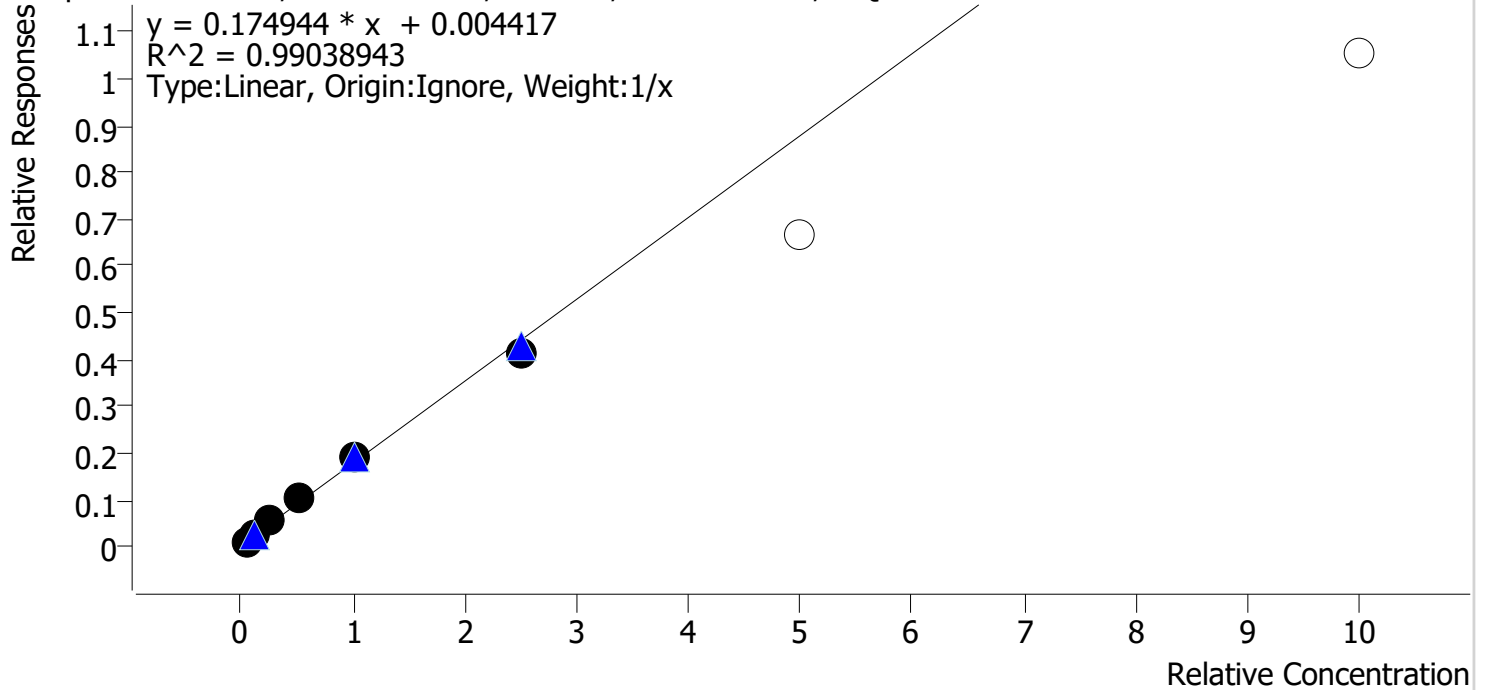
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Metoprolol

BW

Internal Standard Doxylamine-D5

Metoprolol - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



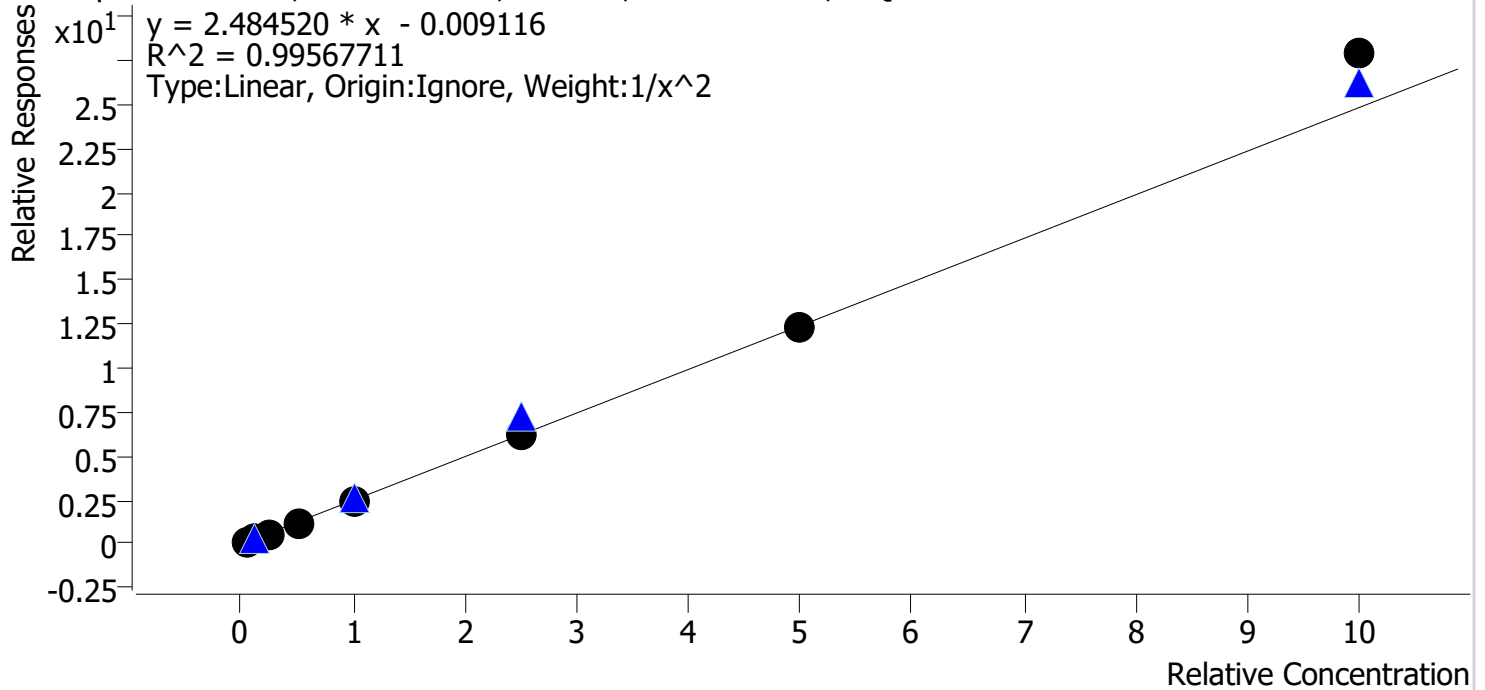
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	3.7	74.2
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	28.3	113.1
cal 4 mdq	4	✓	50.0	56.4	112.7
cal 5 mdq	5	✓	100.0	108.2	108.2
cal 6 mdq	6	✓	250.0	233.6	93.4
cal 7 mdq	7	✗	500.0	377.6	75.5
cal 8 mdq	8	✗	1000.0	600.1	60.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Mirtazapine *BW*

Internal Standard Methadone-D9

Mirtazapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



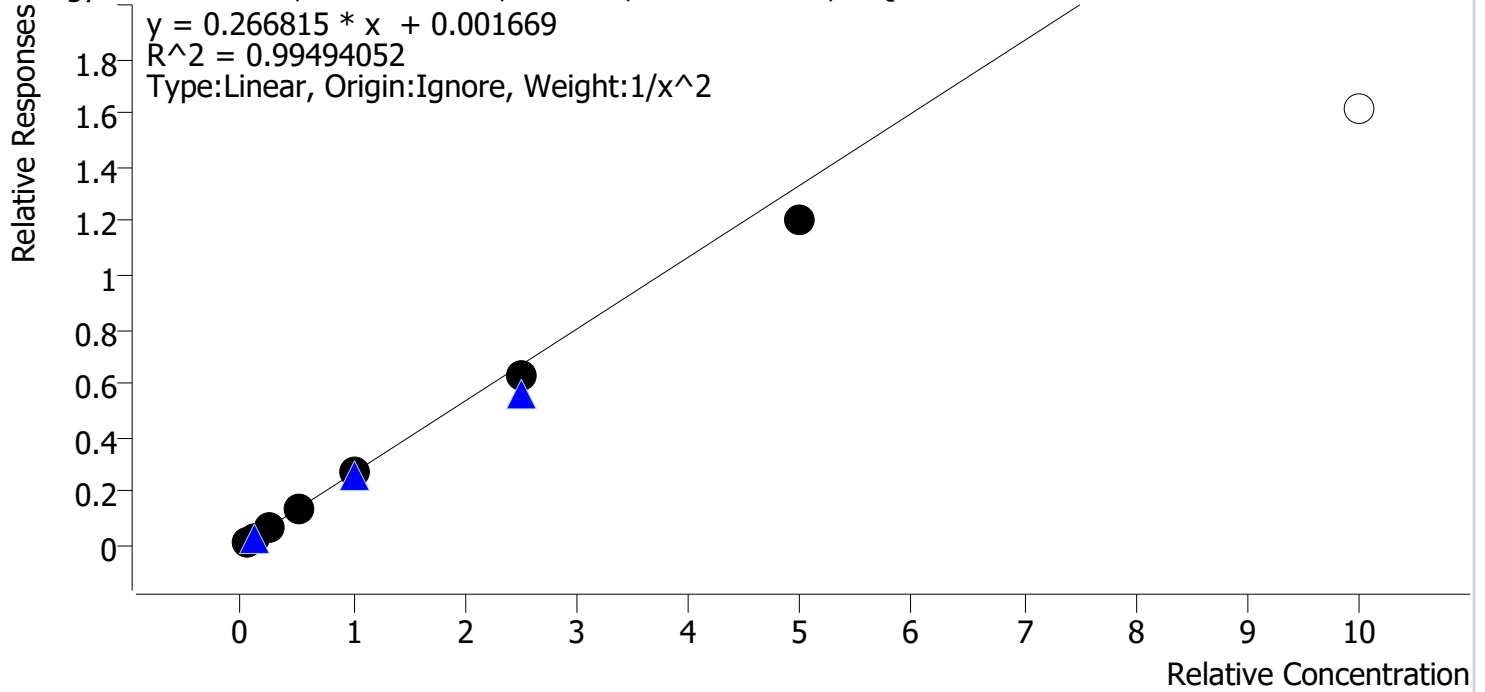
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.5
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	23.2	92.8
cal 4 mdq	4	✓	50.0	48.6	97.2
cal 5 mdq	5	✓	100.0	96.3	96.3
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	498.6	99.7
cal 8 mdq	8	✓	1000.0	1123.6	112.4

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Mitragynine *BW*

Internal Standard Methadone-D9

Mitragynine - 8 Levels, 7 Levels Used, 8 Points, 7 Points Used, 4 QCs



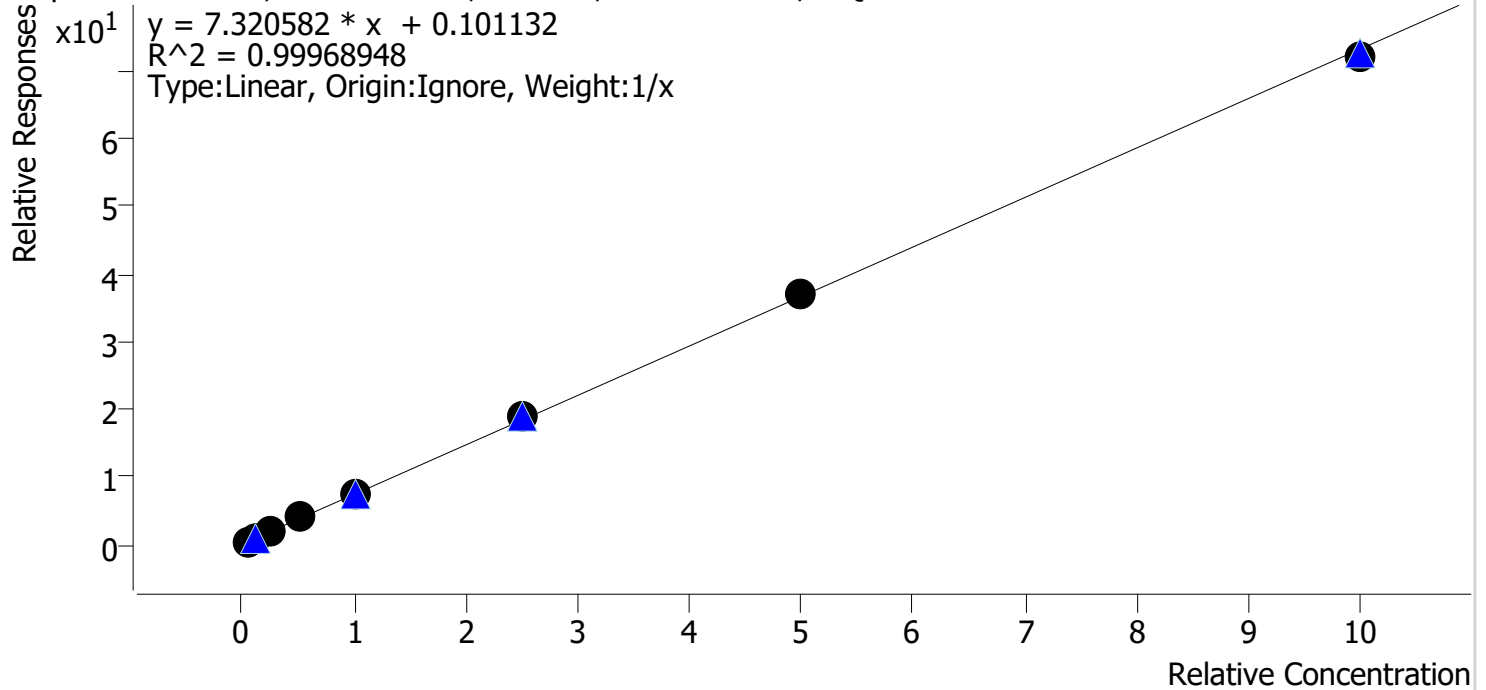
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.7
cal 2 mdq	2	✓	10.0	10.3	103.1
cal 3 mdq	3	✓	25.0	26.5	106.2
cal 4 mdq	4	✓	50.0	52.7	105.5
cal 5 mdq	5	✓	100.0	103.3	103.3
cal 6 mdq	6	✓	250.0	237.4	94.9
cal 7 mdq	7	✓	500.0	451.7	90.3
cal 8 mdq	8	✗	1000.0	608.5	60.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Morphine *BW*

Internal Standard Morphine-D6

Morphine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



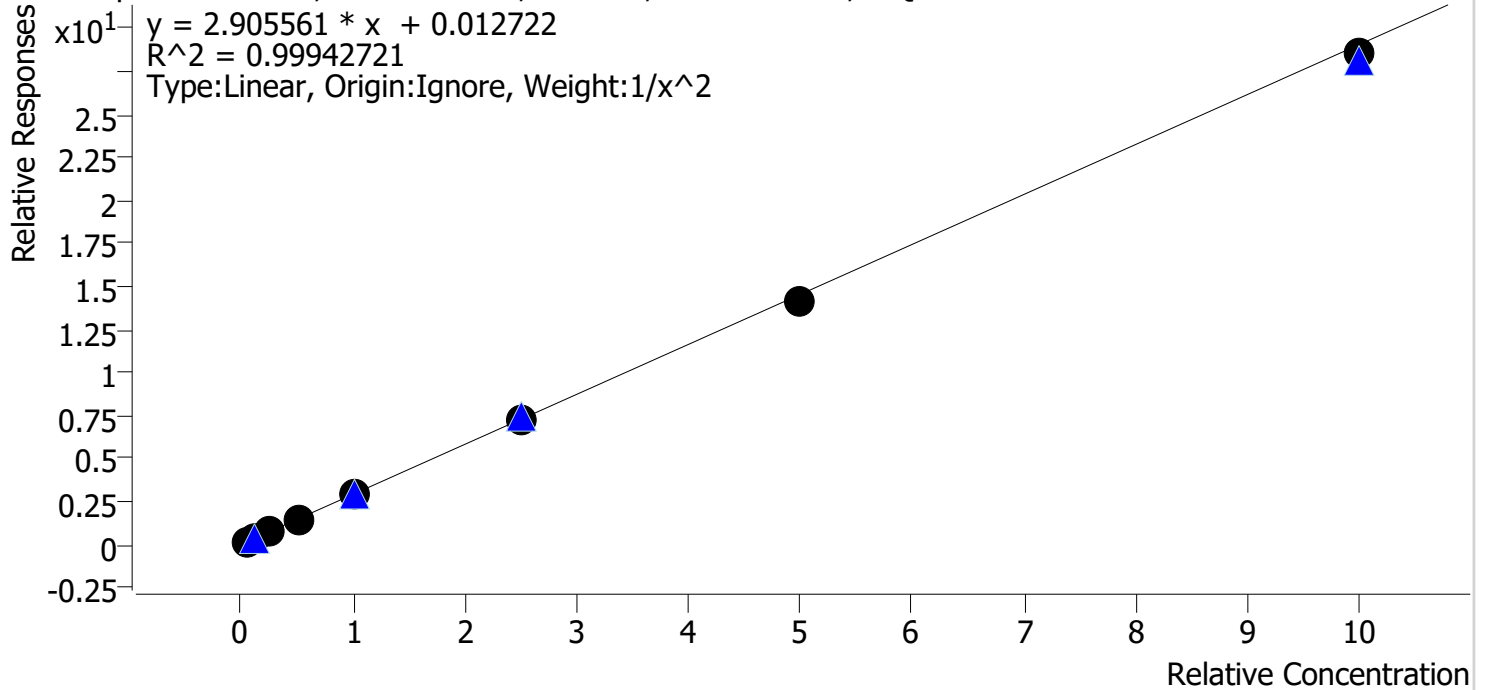
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	85.5
cal 2 mdq	2	✓	10.0	10.5	105.3
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	52.4	104.7
cal 5 mdq	5	✓	100.0	102.5	102.5
cal 6 mdq	6	✓	250.0	254.4	101.8
cal 7 mdq	7	✓	500.0	502.8	100.6
cal 8 mdq	8	✓	1000.0	987.9	98.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Nordiazepam *BW*

Internal Standard Nordiazepam-D5

Nordiazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



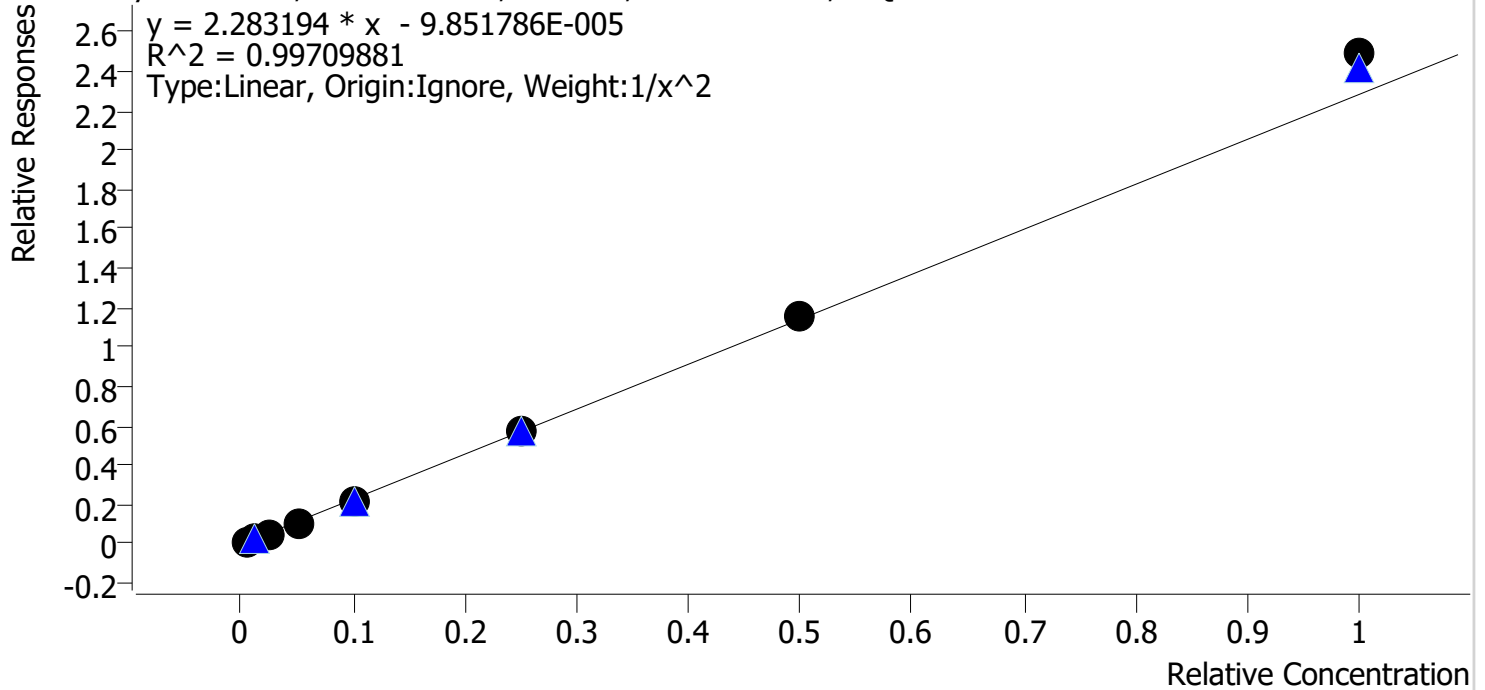
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	25.3	101.1
cal 4 mdq	4	✓	50.0	52.0	103.9
cal 5 mdq	5	✓	100.0	100.1	100.1
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	484.9	97.0
cal 8 mdq	8	✓	1000.0	982.0	98.2

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Norfentanyl *BW*

Internal Standard Norfentanyl-D5

Norfentanyl - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



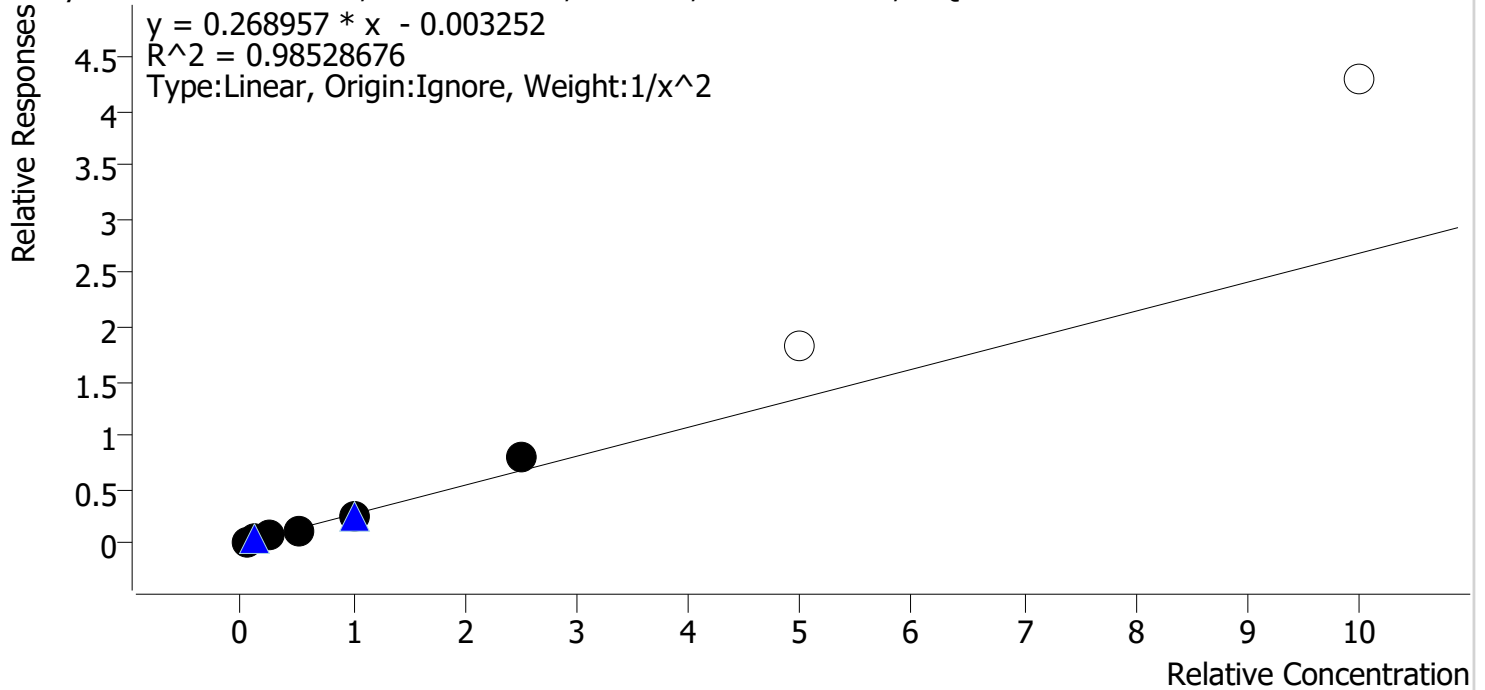
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.2
cal 2 mdq	2	✓	1.0	1.0	96.1
cal 3 mdq	3	✓	2.5	2.4	95.8
cal 4 mdq	4	✓	5.0	4.9	97.1
cal 5 mdq	5	✓	10.0	9.6	96.0
cal 6 mdq	6	✓	25.0	25.2	100.6
cal 7 mdq	7	✓	50.0	51.0	102.0
cal 8 mdq	8	✓	100.0	109.1	109.1

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Norhydrocodone *BW*

Internal Standard Norhydrocodone-D3

Norhydrocodone - 8 Levels, 6 Levels Used, 8 Points, 6 Points Used, 4 QCs



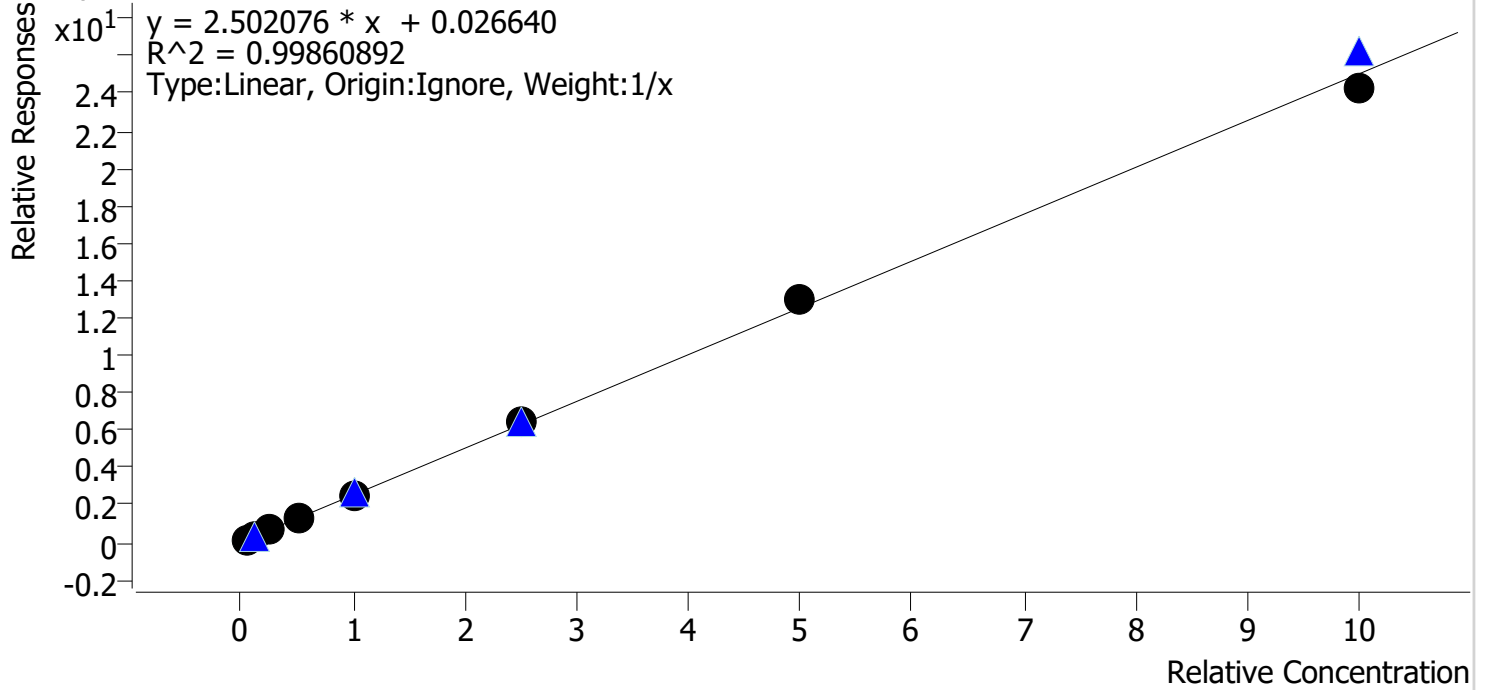
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.5
cal 2 mdq	2	✓	10.0	9.7	97.2
cal 3 mdq	3	✓	25.0	22.9	91.7
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	94.0	94.0
cal 6 mdq	6	✓	250.0	296.5	118.6
cal 7 mdq	7	✗	500.0	681.6	136.3
cal 8 mdq	8	✗	1000.0	1596.8	159.7

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin		
Last Cal. Update	3/11/2020 11:59 AM		
Analyst Name	ISP\datastor		
Analyte	Noroxycodone	Internal Standard	Noroxycodone-D3

BW

Noroxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

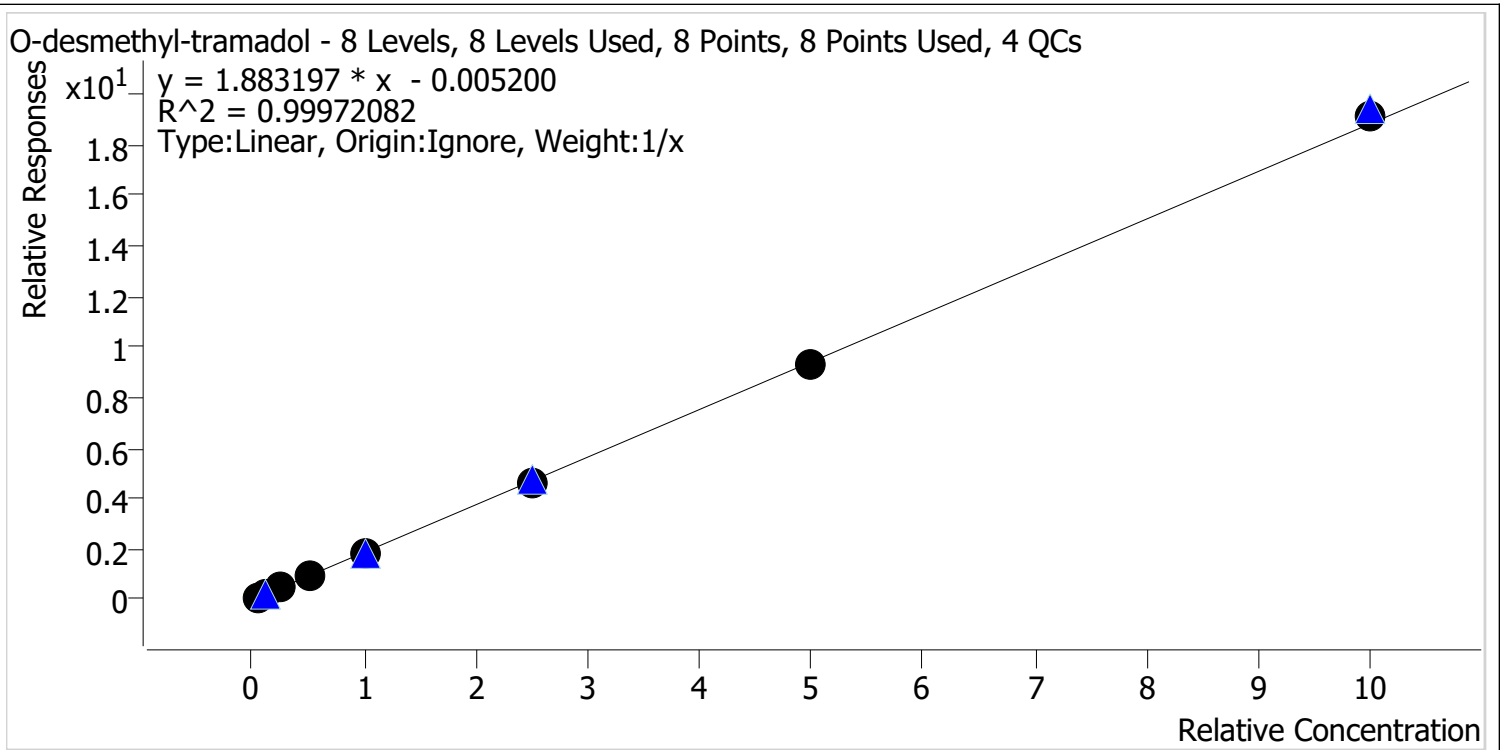


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	89.3
cal 2 mdq	2	✓	10.0	9.7	96.9
cal 3 mdq	3	✓	25.0	25.6	102.4
cal 4 mdq	4	✓	50.0	52.8	105.7
cal 5 mdq	5	✓	100.0	101.2	101.2
cal 6 mdq	6	✓	250.0	259.8	103.9
cal 7 mdq	7	✓	500.0	519.3	103.9
cal 8 mdq	8	✓	1000.0	967.1	96.7

Compound Calibration Report

Batch results	D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin		
Last Cal. Update	3/11/2020 11:59 AM		
Analyst Name	ISP\datastor		
Analyte	O-desmethyl-tramadol	Internal Standard	O-desmethyl-tramadol-D6

BW



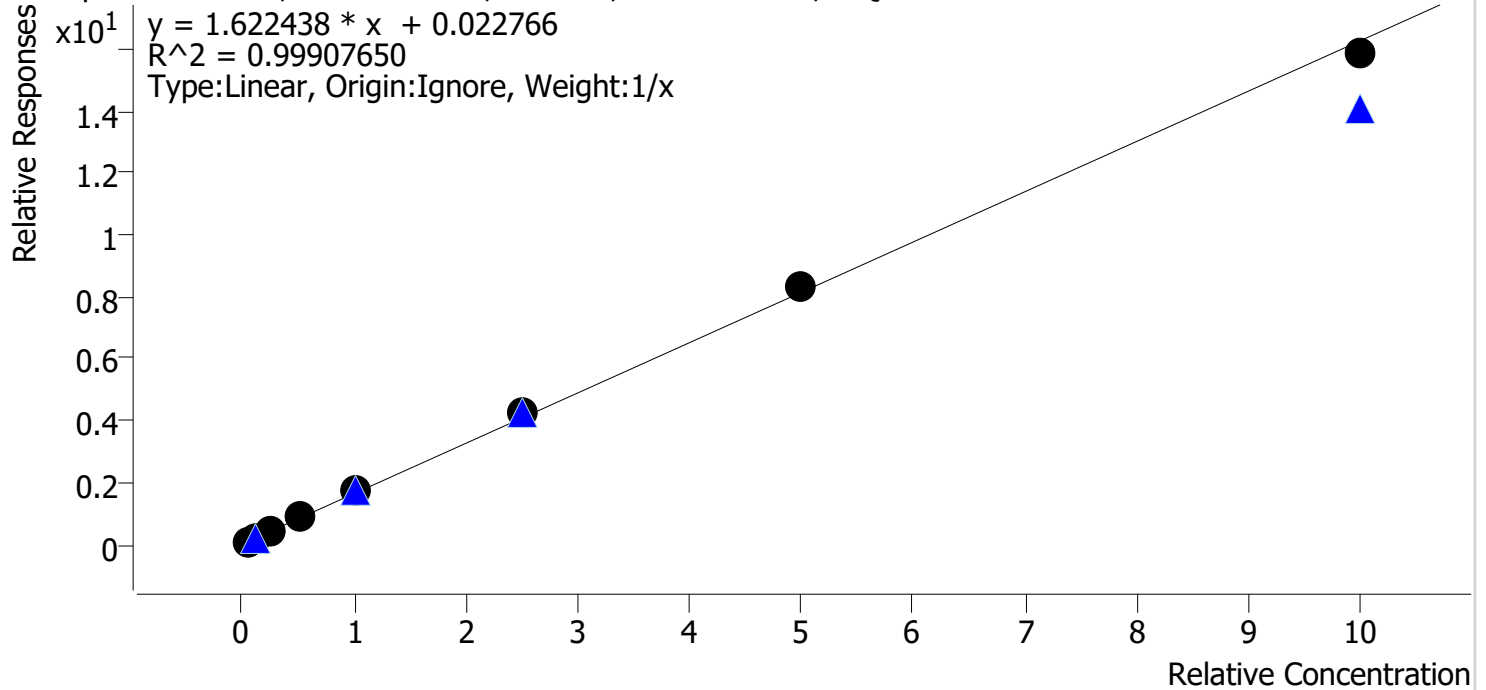
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.4	107.2
cal 2 mdq	2	✓	10.0	10.2	101.7
cal 3 mdq	3	✓	25.0	24.4	97.7
cal 4 mdq	4	✓	50.0	49.3	98.6
cal 5 mdq	5	✓	100.0	96.0	96.0
cal 6 mdq	6	✓	250.0	245.7	98.3
cal 7 mdq	7	✓	500.0	495.7	99.1
cal 8 mdq	8	✓	1000.0	1013.3	101.3

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Oxazepam **Internal Standard** Oxazepam-D5

BW

Oxazepam - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



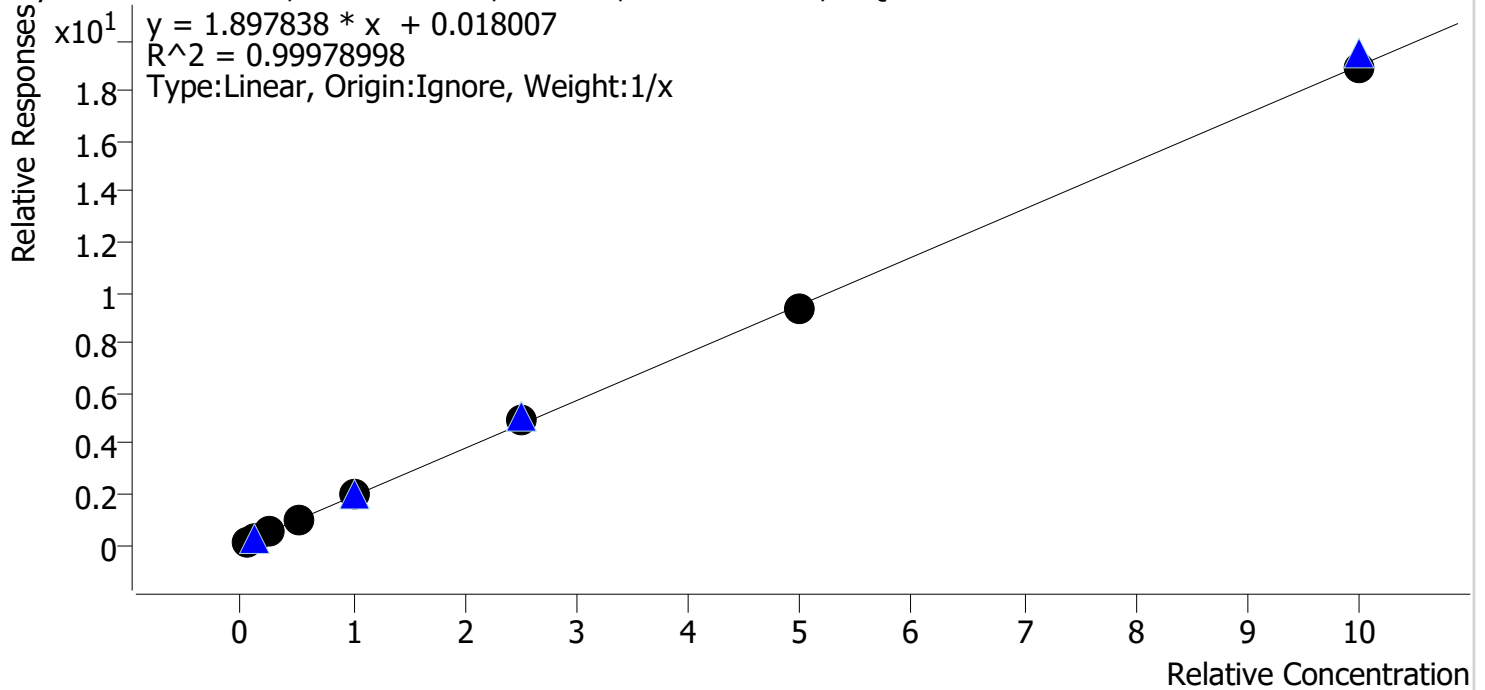
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.3	85.4
cal 2 mdq	2	✓	10.0	9.7	97.0
cal 3 mdq	3	✓	25.0	26.3	105.2
cal 4 mdq	4	✓	50.0	52.5	105.0
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	258.7	103.5
cal 7 mdq	7	✓	500.0	509.4	101.9
cal 8 mdq	8	✓	1000.0	974.6	97.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Oxycodone **Internal Standard** Oxycodone-D6

BW

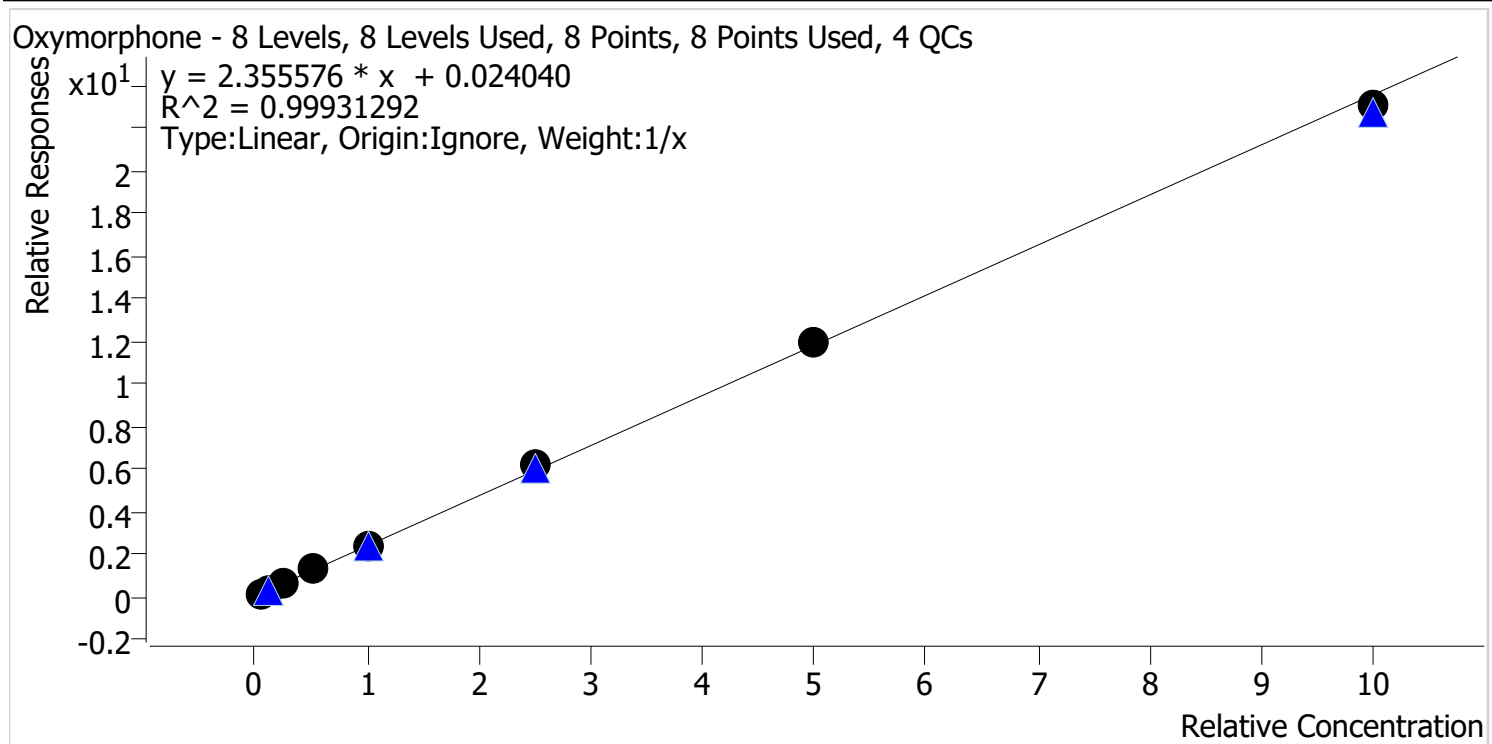
Oxycodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.7	94.0
cal 2 mdq	2	✓	10.0	9.9	98.6
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	51.6	103.1
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	257.0	102.8
cal 7 mdq	7	✓	500.0	495.3	99.1
cal 8 mdq	8	✓	1000.0	994.5	99.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\lam 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Oxymorphone BW
Internal Standard Oxymorphone-D3



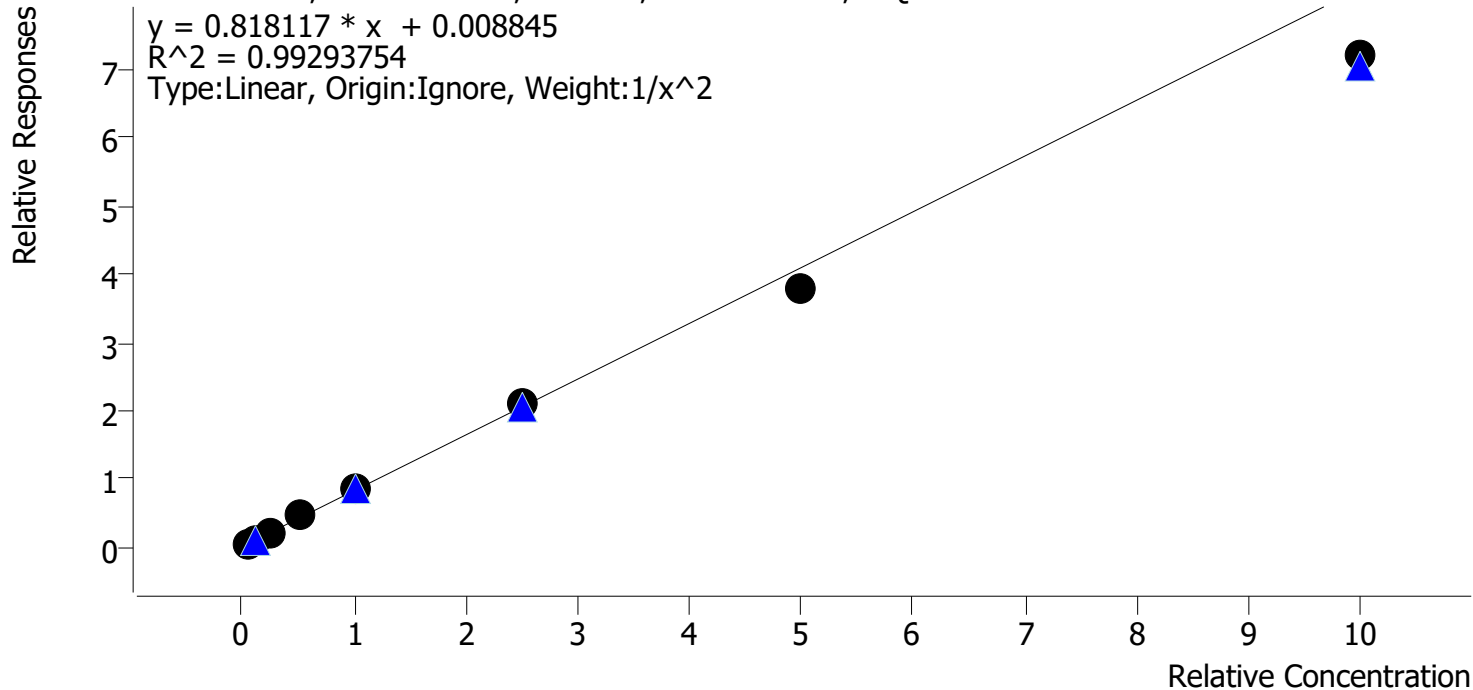
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.5	90.0
cal 2 mdq	2	✓	10.0	9.7	97.3
cal 3 mdq	3	✓	25.0	25.3	101.3
cal 4 mdq	4	✓	50.0	52.7	105.5
cal 5 mdq	5	✓	100.0	102.9	102.9
cal 6 mdq	6	✓	250.0	259.4	103.7
cal 7 mdq	7	✓	500.0	507.1	101.4
cal 8 mdq	8	✓	1000.0	978.3	97.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Phentermine **Internal Standard** Phentermine-D5

BW

Phentermine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



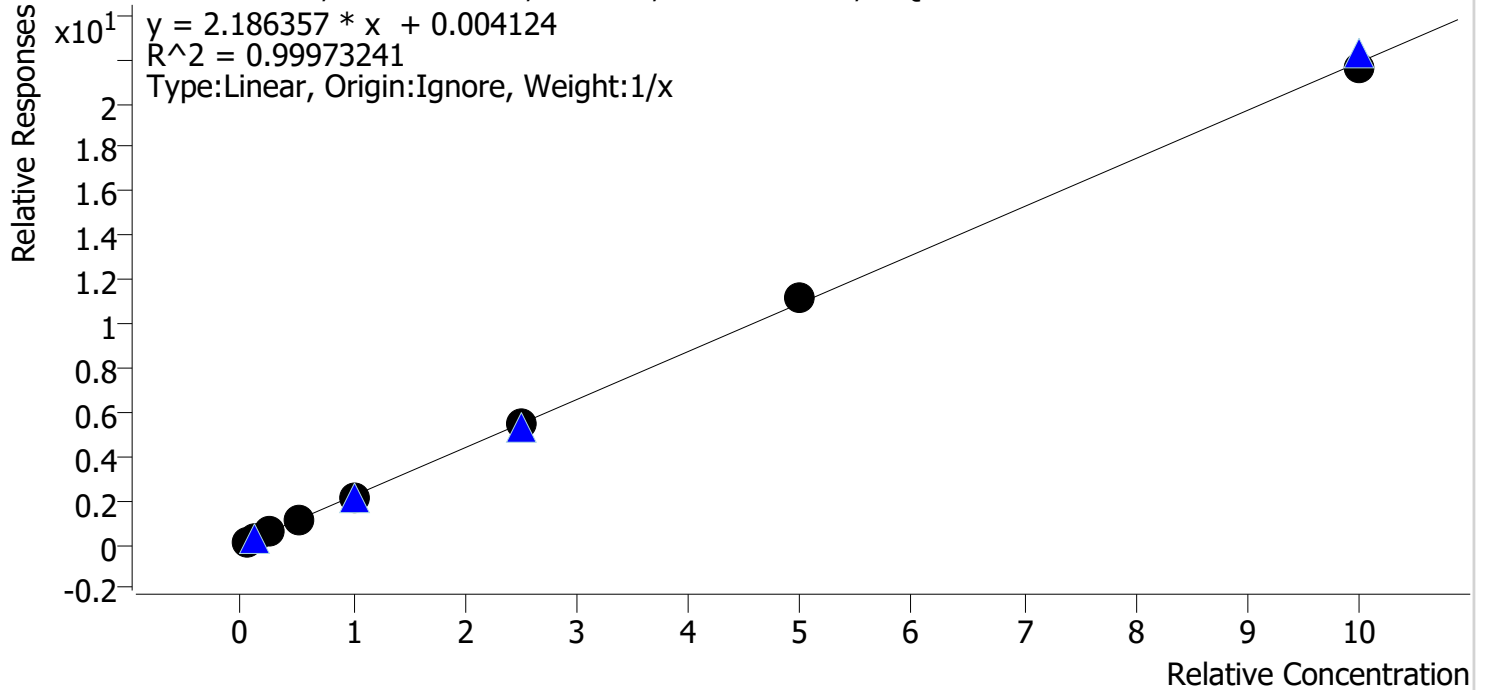
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.1	100.9
cal 3 mdq	3	✓	25.0	26.8	107.3
cal 4 mdq	4	✓	50.0	54.5	108.9
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	253.5	101.4
cal 7 mdq	7	✓	500.0	459.2	91.8
cal 8 mdq	8	✓	1000.0	880.1	88.0

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Promethazine *BW*

Internal Standard Promethazine-D3

Promethazine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.6
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	24.9	99.5
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	97.7	97.7
cal 6 mdq	6	✓	250.0	250.9	100.4
cal 7 mdq	7	✓	500.0	512.0	102.4
cal 8 mdq	8	✓	1000.0	988.9	98.9

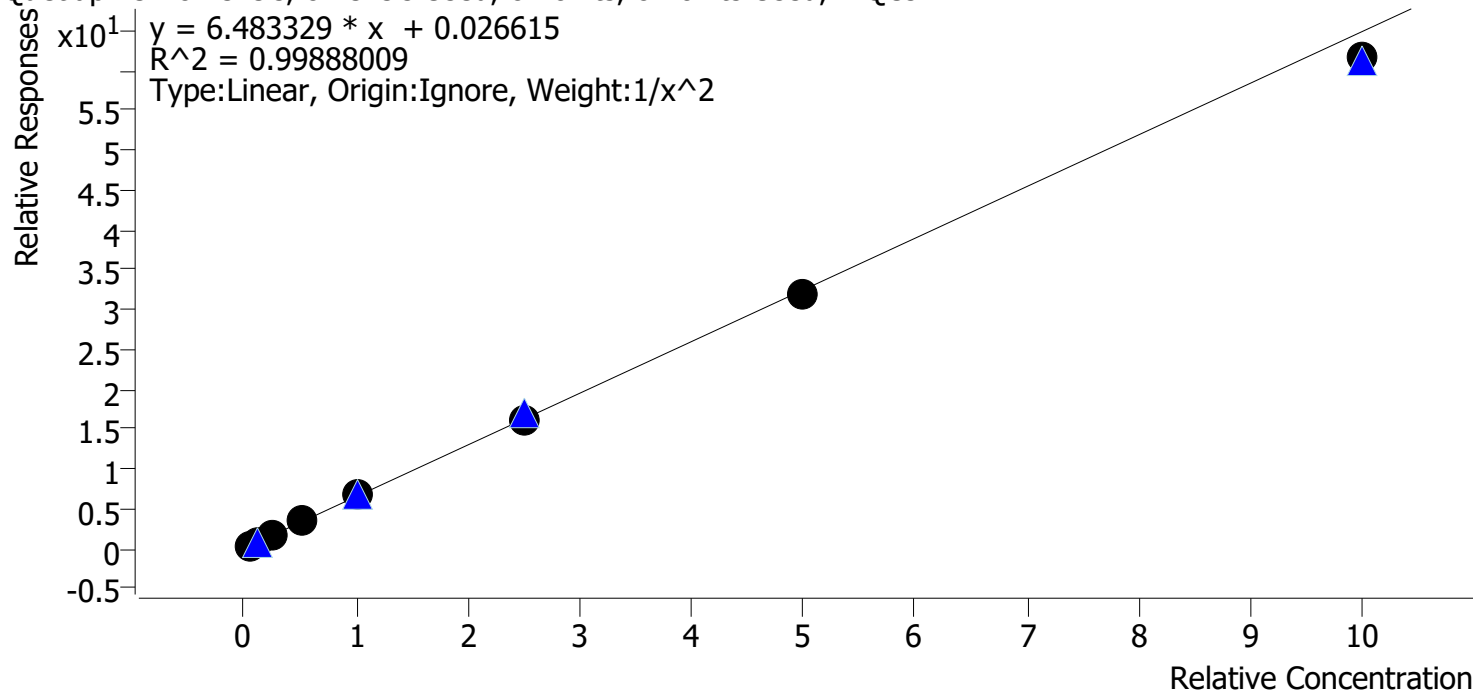
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Quetiapine

BW

Internal Standard Quetiapine-D8

Quetiapine - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.4
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	25.2	100.8
cal 4 mdq	4	✓	50.0	52.0	104.0
cal 5 mdq	5	✓	100.0	102.4	102.4
cal 6 mdq	6	✓	250.0	249.4	99.8
cal 7 mdq	7	✓	500.0	488.8	97.8
cal 8 mdq	8	✓	1000.0	949.6	95.0

Compound Calibration Report

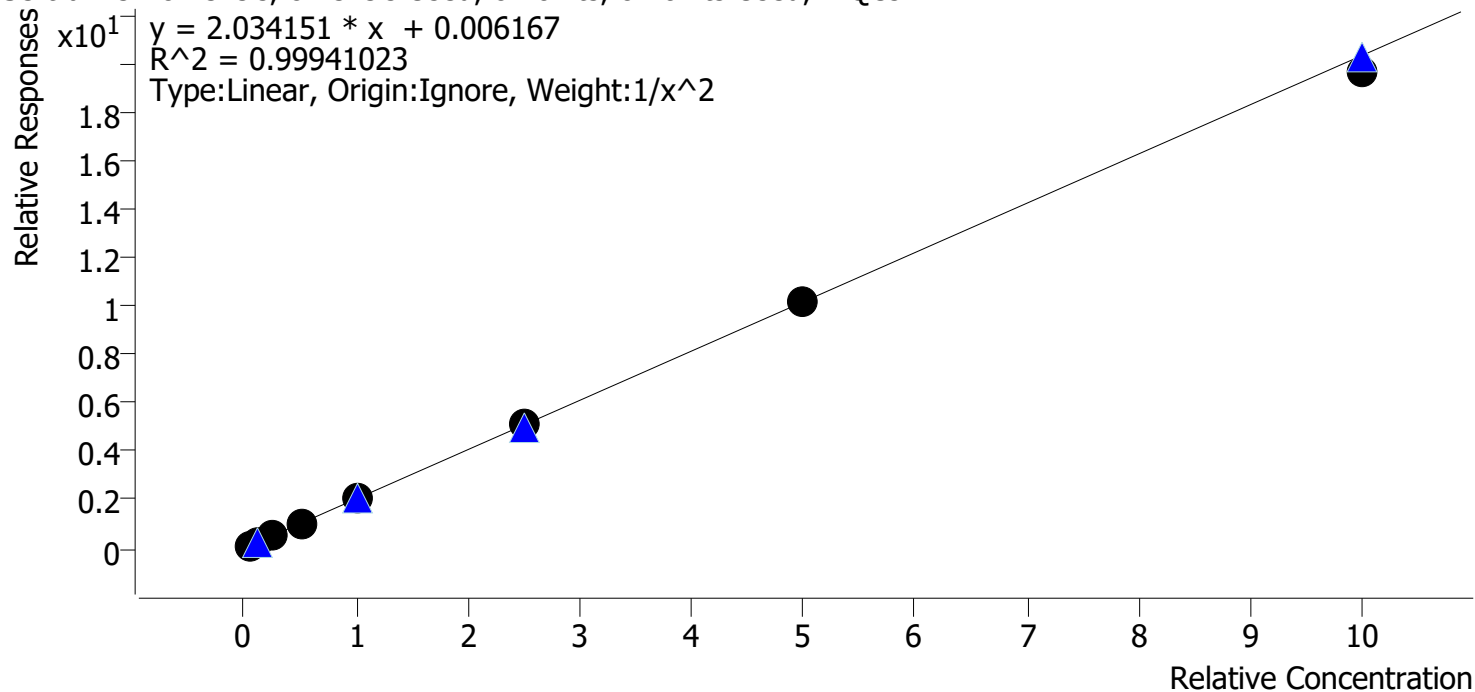
Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Sertraline

BW

Internal Standard

Sertraline-D3

Sertraline - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

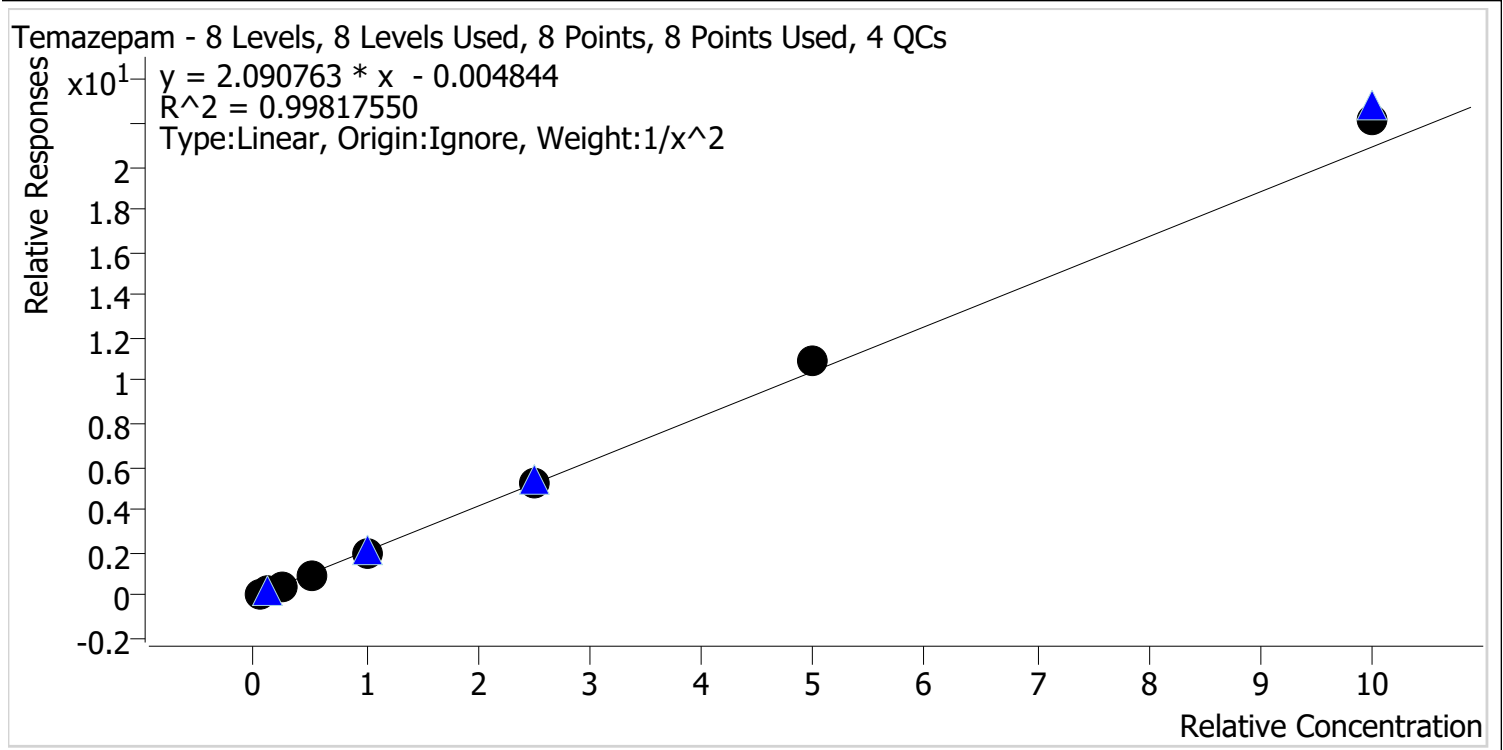


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.0
cal 2 mdq	2	✓	10.0	9.9	99.2
cal 3 mdq	3	✓	25.0	25.1	100.5
cal 4 mdq	4	✓	50.0	52.0	104.1
cal 5 mdq	5	✓	100.0	98.9	98.9
cal 6 mdq	6	✓	250.0	251.1	100.4
cal 7 mdq	7	✓	500.0	502.1	100.4
cal 8 mdq	8	✓	1000.0	965.1	96.5

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Temazepam **Internal Standard** Temazepam-D5

BW

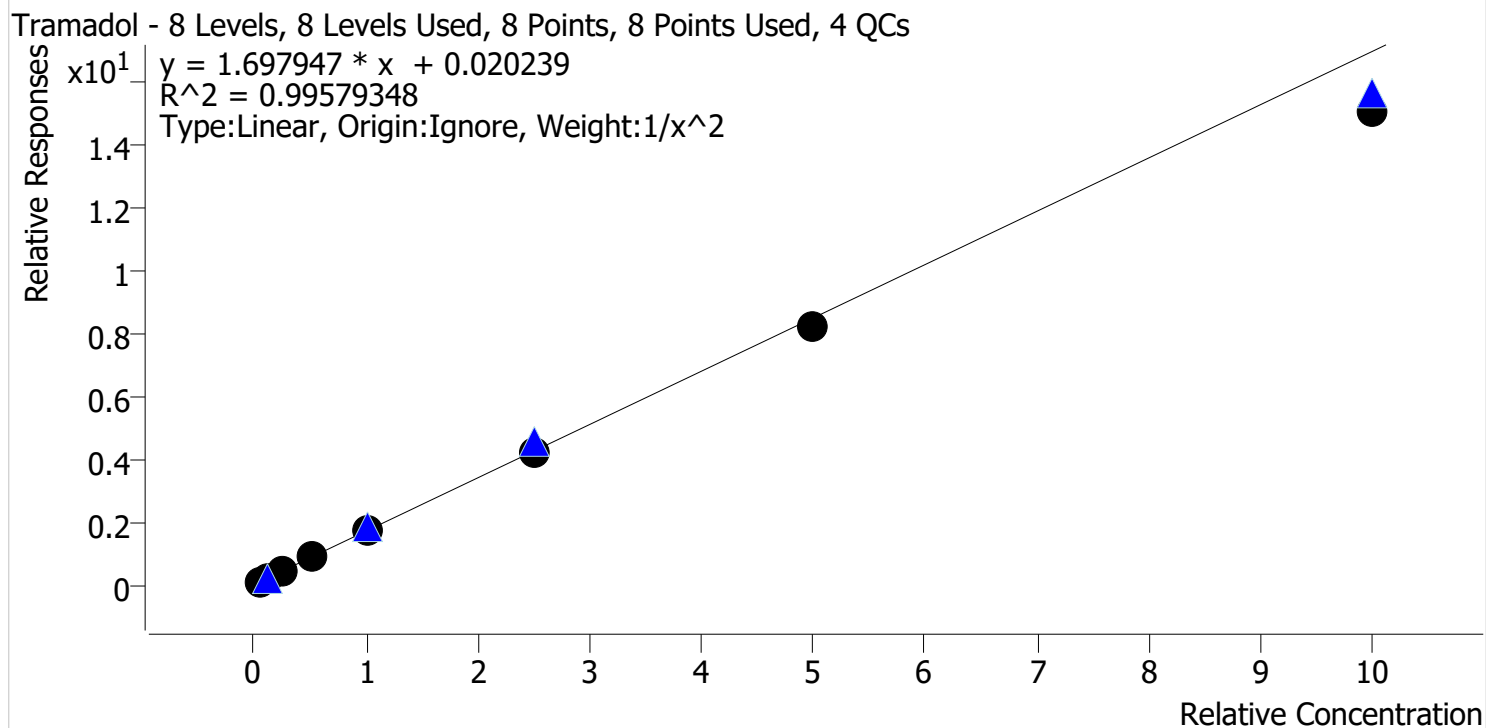


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.7
cal 2 mdq	2	✓	10.0	9.9	98.9
cal 3 mdq	3	✓	25.0	24.1	96.3
cal 4 mdq	4	✓	50.0	48.5	97.0
cal 5 mdq	5	✓	100.0	96.0	96.0
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	522.0	104.4
cal 8 mdq	8	✓	1000.0	1059.0	105.9

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Tramadol **Internal Standard** Tramadol-13C-D3

BW



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.2	102.0
cal 3 mdq	3	✓	25.0	26.1	104.6
cal 4 mdq	4	✓	50.0	53.4	106.8
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	250.3	100.1
cal 7 mdq	7	✓	500.0	482.9	96.6
cal 8 mdq	8	✓	1000.0	890.7	89.1

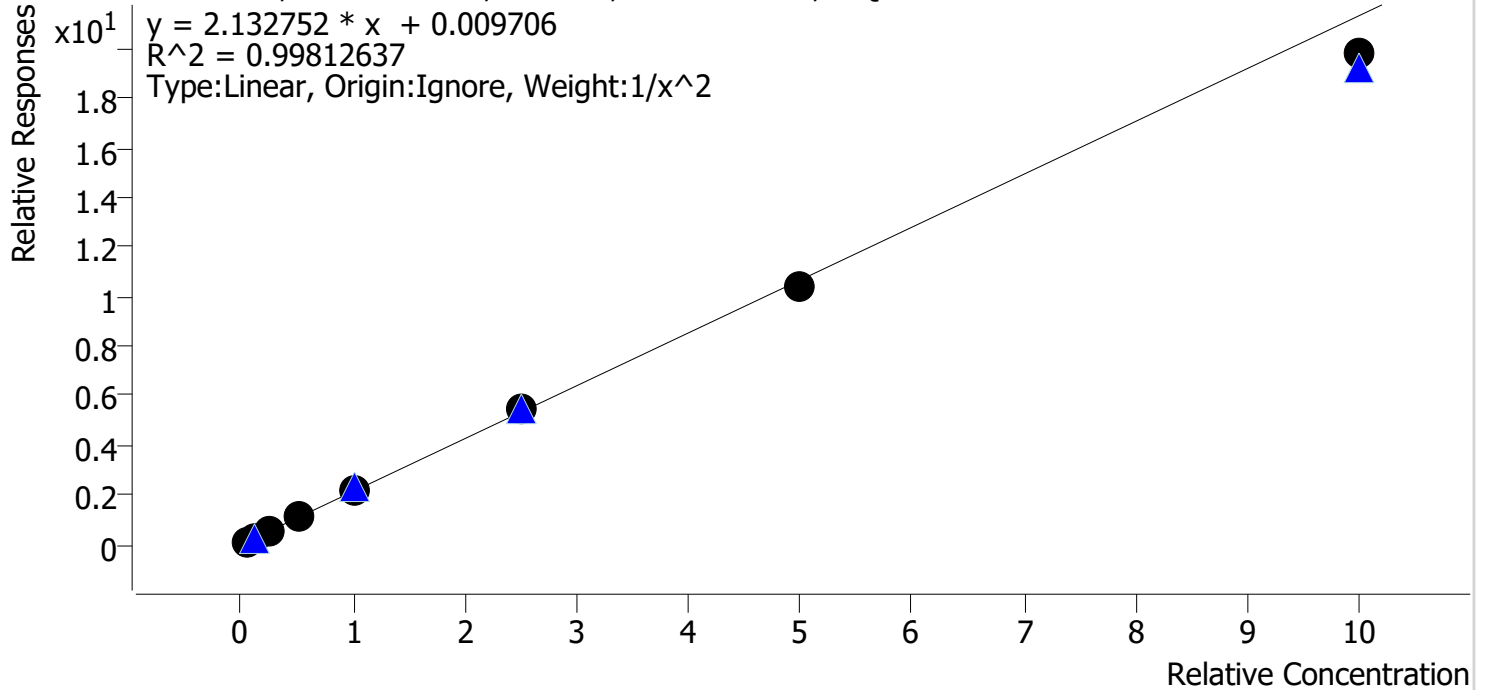
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Trazodone

BW

Internal Standard Trazodone-D6

Trazodone - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs

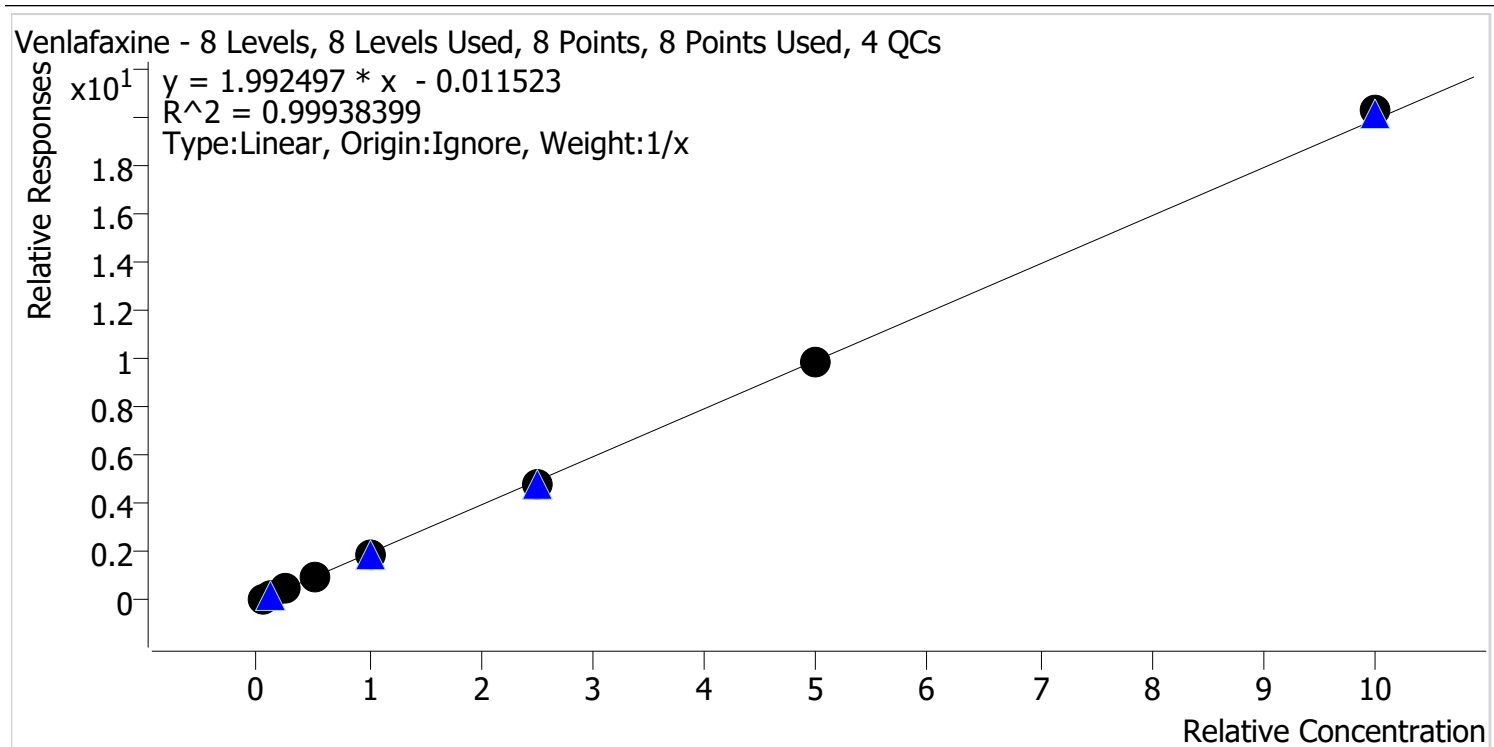


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.8
cal 2 mdq	2	✓	10.0	10.0	100.1
cal 3 mdq	3	✓	25.0	25.7	102.7
cal 4 mdq	4	✓	50.0	52.3	104.6
cal 5 mdq	5	✓	100.0	102.0	102.0
cal 6 mdq	6	✓	250.0	254.9	102.0
cal 7 mdq	7	✓	500.0	484.5	96.9
cal 8 mdq	8	✓	1000.0	928.2	92.8

Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Venlafaxine **Internal Standard** Venlafaxine-D6

BW



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.6	111.5
cal 2 mdq	2	✓	10.0	10.2	102.1
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	48.6	97.2
cal 5 mdq	5	✓	100.0	94.9	94.9
cal 6 mdq	6	✓	250.0	240.8	96.3
cal 7 mdq	7	✓	500.0	497.2	99.4
cal 8 mdq	8	✓	1000.0	1018.5	101.8

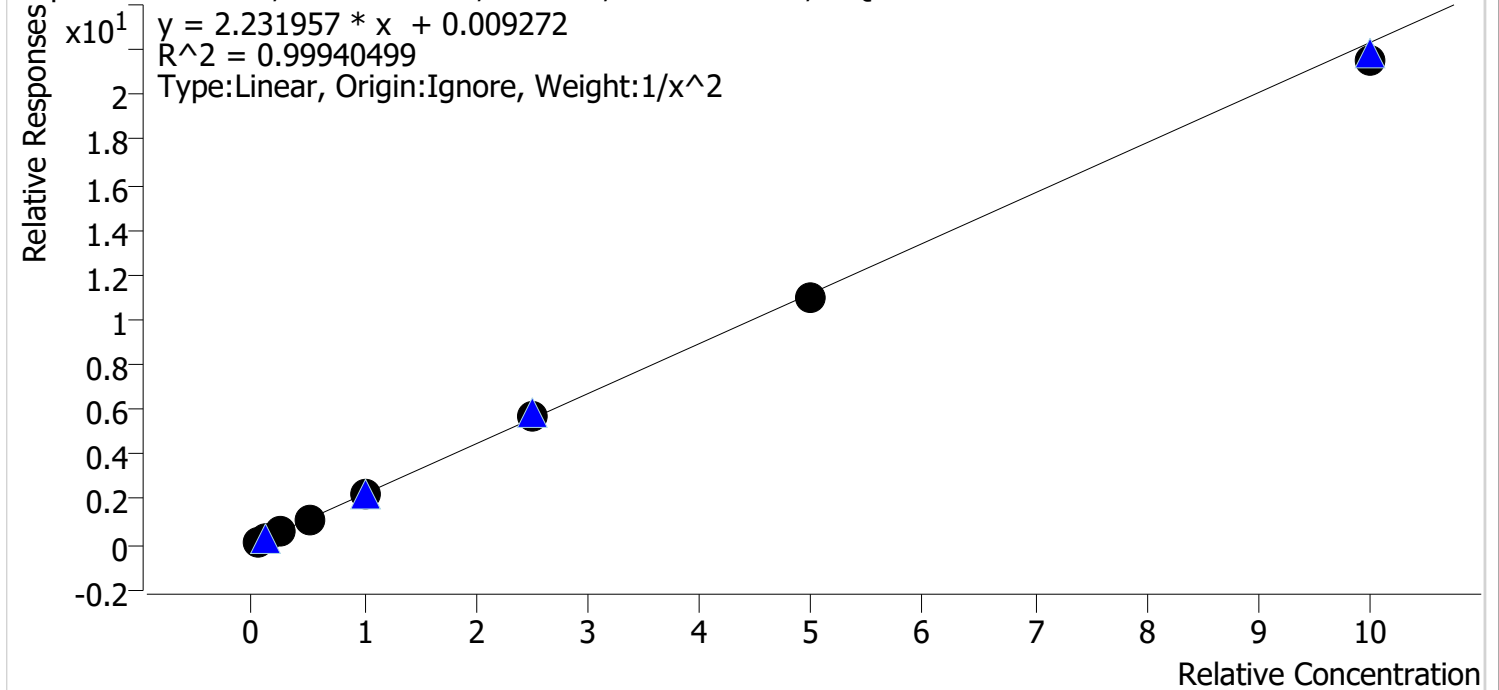
Compound Calibration Report

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Last Cal. Update 3/11/2020 11:59 AM
Analyst Name ISP\datastor
Analyte Zolpidem

BW

Internal Standard Zolpidem-D6

Zolpidem - 8 Levels, 8 Levels Used, 8 Points, 8 Points Used, 4 QCs



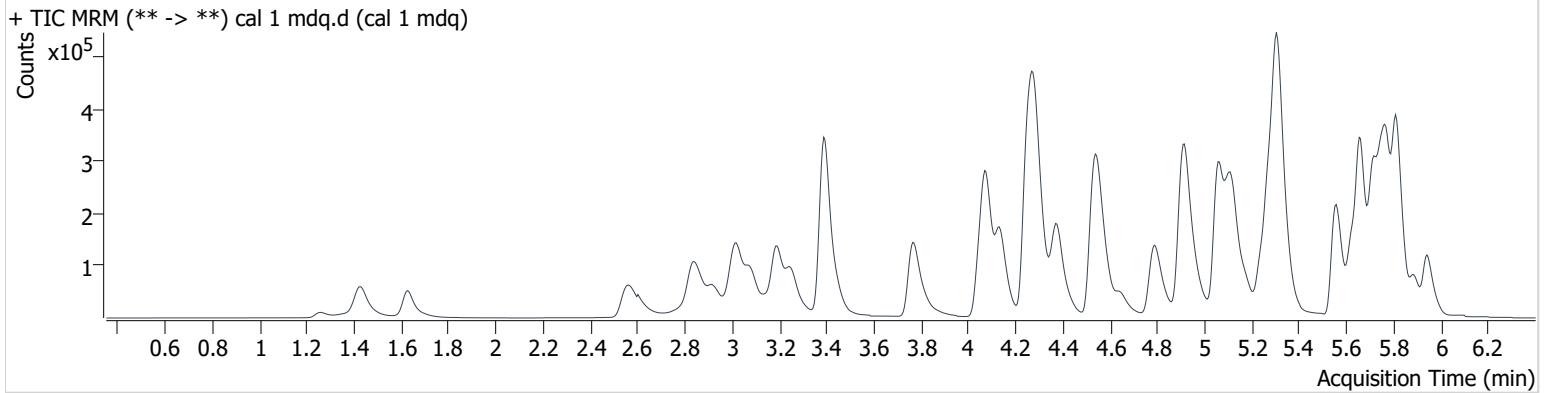
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.1
cal 2 mdq	2	✓	10.0	9.9	99.0
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	51.5	103.0
cal 5 mdq	5	✓	100.0	101.3	101.3
cal 6 mdq	6	✓	250.0	254.4	101.8
cal 7 mdq	7	✓	500.0	492.5	98.5
cal 8 mdq	8	✓	1000.0	962.2	96.2

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 1 mdq.d
Type	Cal	Sample	cal 1 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-A1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 6:58:52 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.163	1215	1694.5	68.7	70.5	69474	0.510 ng/ml
7-aminoclonazepam	4.287	25161	1121.0	82.3	362.0	206044	4.925 ng/ml
a-hydroxyalprazolam	5.704	7017	291.9	62.0	3356.7	72164	4.949 ng/ml
alpha-PVP	4.387	59367	1113.1	52.7	639.9	494771	5.439 ng/ml
Alprazolam	5.777	40956	1653.4	106.8	332.8	275683	5.063 ng/ml
Amphetamine	3.087	100627	878.0	56.2	354.4	330224	4.767 ng/ml
Benzoylcegonine	3.901	1998	197.0	5.7 Low	6.3 Low	13061	8.157 ng/ml
Buprenorphine	5.822	927	1076.1	9.0 Low	52.2	61867	0.608 ng/ml
Bupropion	4.804	59287	1163.8	59.2	910.7	450923	5.029 ng/ml
Carisoprodol	5.729	44888	795.2	58.0	71.0	407416	4.975 ng/ml
Citalopram	5.241	37726	813.5	45.9	7065.1	320217	4.818 ng/ml
Clonazepam	5.623	37206	1547.1	33.3	10214.5	115373	4.916 ng/ml
Cocaine	4.281	47945	6164.9	46.1	195.5	732071	5.182 ng/ml
Codeine	2.613	7562	111.6	105.7	1419.1	74146	4.992 ng/ml
Cyclobenzaprine	5.635	32607	29013.4	9.6	231.9	250795	4.587 ng/ml
Dextromethorphan	5.285	23216	1423.1	75.9	389.8	211736	5.003 ng/ml
Dextrorphan	4.141	16337	14298.6	213.6	5409.2	369225	5.068 ng/ml
Diazepam	5.947	28059	508.5	87.4	694.7	259773	5.014 ng/ml
Dihydrocodeine	2.586	18751	848.9	64.5	689.3	205162	4.840 ng/ml
Diphenhydramine	5.311	113489	1419.0	33.8	3181.2	1239438	5.509 ng/ml
Doxylamine	4.554	134443	1436.9	96.8	1112.8	1124970	5.003 ng/ml
EDDP	5.280	24493	14003.5	236.4	8366.8	546479	5.068 ng/ml
Fentanyl	5.122	4155	80.4	64.8	1343.0	405641	0.505 ng/ml
Fluoxetine	5.711	31617	552.5	8.8	106.5	261256	4.712 ng/ml
Hydrocodone	3.049	25971	275.0	39.4	372.3	275822	4.418 ng/ml
Hydromorphone	1.633	20055	4513.7	77.3	544.9	159594	5.160 ng/ml
Ketamine	4.067	47345	1309.7	38.2	92.7	440287	4.948 ng/ml
Lamotrigine	4.309	5127	292.1	91.3	1867.6	440287	4.777 ng/ml
Lorazepam	5.751	26169	923.1	57.7	113.2	259773	4.840 ng/ml
Meprobamate	4.932	31082	53242.8	29.5	90.8	275958	4.783 ng/ml
Methadone	5.659	71044	823.6	48.3	2999.8	685039	5.309 ng/ml
Methamphetamine	3.254	126251	658.6	41.3	115.2	509297	3.742 ng/ml
Metoprolol	4.339	12268	311.7	97.3	989.2	1124970	3.709 ng/ml

AM #28 Multi-Drug Quant. Results

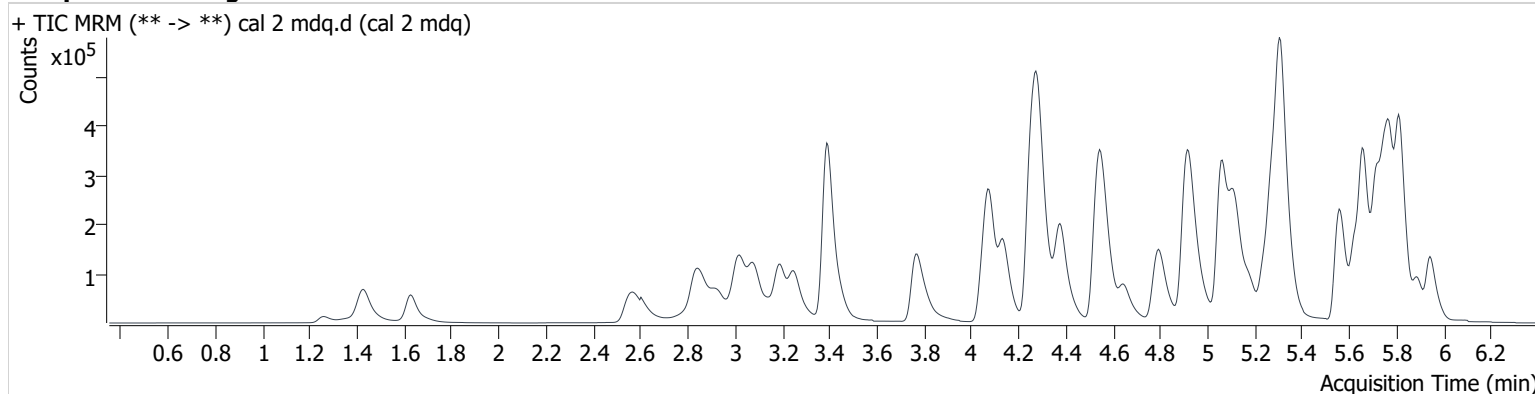
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.651	80115	19471.2	46.2	9817.6	685039	5.074 ng/ml
Mitragynine	5.250	9982	7806.6	38.7	957.1	685039	4.836 ng/ml
Morphine	1.267	4334	18917.9	20.1	16.2	10464	4.276 ng/ml
Nordiazepam	5.897	25082	2003.8	62.2	1710.7	159100	4.988 ng/ml
Norfentanyl	4.102	7889	286.0	39.7	136.5	675462	0.516 ng/ml
Norhydrocodone	3.095	879	462.3	34.6	462.3	82416	5.175 ng/ml
Noroxycodone	2.942	24712	372.3	42.0	15.6	178613	4.465 ng/ml
O-desmethyl-tramadol	3.395	108667	10570.1	6.6	464.7	1135299	5.359 ng/ml
Oxazepam	5.758	42084	606.4	72.6	408.6	457310	4.269 ng/ml
Oxycodone	2.864	51851	742.1	28.9	955.6	483641	4.700 ng/ml
Oxymorphone	1.430	31946	87459.7	43.9	16.3	245629	4.501 ng/ml
Phentermine	3.803	26118	214.2	5.7	5.5 Low	537894	4.854 ng/ml
Promethazine	5.558	48739	3215.0	31.7	49.0	431106	4.982 ng/ml
Quetiapine	5.571	47702	21543.2	61.1	40725.3	138074	4.918 ng/ml
Sertraline	5.783	16836	579.1	103.4	19373.8	156115	4.998 ng/ml
Temazepam	5.819	81167	1486.3	30.2	136.3	799932	5.085 ng/ml
Tramadol	4.263	113881	23111.2	3.8	23.0	1107291	4.865 ng/ml
Trazodone	5.179	54357	38604.6	79.2	33017.7	472187	4.942 ng/ml
Venlafaxine	5.063	94431	21139.5	38.8	321.2	948737	5.574 ng/ml
Zolpidem	4.934	116193	95429.8	29.4	4729.8	960388	5.005 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 2 mdq.d
Type	Cal	Sample	cal 2 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-B1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 7:09:41 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	2236	3576.8	70.5	571.3	67267	0.967 ng/ml
7-aminoclonazepam	4.287	46904	1899.7	84.6	14815.8	200428	10.070 ng/ml
a-hydroxyalprazolam	5.704	13021	341.0	62.4	12813.1	70698	10.043 ng/ml
alpha-PVP	4.387	111791	2080.3	52.6	924.1	481270	10.167 ng/ml
Alprazolam	5.777	77549	239.8	107.8	3148.6	265989	10.081 ng/ml
Amphetamine	3.087	168504	1062.0	54.9	551.4	294231	10.246 ng/ml
Benzoylcegonine	3.906	3712	59.6	8.2	70.5	12168	12.808 ng/ml
Buprenorphine	5.822	1692	79.6	17.0	102.8	60093	1.040 ng/ml
Bupropion	4.809	106604	2989.3	61.4	1768.4	429190	9.868 ng/ml
Carisoprodol	5.729	85056	2177.4	57.2	173.3	395814	10.056 ng/ml
Citalopram	5.246	67859	1342.4	45.4	27916.9	304882	9.523 ng/ml
Clonazepam	5.623	67938	6594.8	35.1	18800.3	114458	9.968 ng/ml
Cocaine	4.287	90664	15715.1	46.5	1975.3	723398	9.972 ng/ml
Codeine	2.613	13795	62.7	106.5	534.4	70413	9.980 ng/ml
Cyclobenzaprine	5.635	57044	61728.9	8.8	364.1	217903	9.890 ng/ml
Dextromethorphan	5.285	38559	4506.9	74.2	2131.8	181459	9.963 ng/ml
Dextrorphan	4.141	28951	13250.2	215.5	112.8	331070	10.082 ng/ml
Diazepam	5.948	53633	10820.0	86.3	1043.0	253447	10.054 ng/ml
Dihydrocodeine	2.586	34526	160.1	65.4	7345.3	192419	10.222 ng/ml
Diphenhydramine	5.317	207890	632.3	34.8	2348.8	1177440	10.121 ng/ml
Doxylamine	4.559	253004	18774.5	96.8	25912.8	1080355	9.986 ng/ml
EDDP	5.280	47228	2632.5	239.7	1509.0	555846	9.774 ng/ml
Fentanyl	5.122	6937	70.2	72.1	3680.2	355756	0.994 ng/ml
Fluoxetine	5.711	53344	3714.0	9.0	4443.9	219413	10.003 ng/ml
Hydrocodone	3.049	48561	615.5	37.8	486.4	267467	9.884 ng/ml
Hydromorphone	1.633	39051	14644.8	73.0	3763.0	151490	10.337 ng/ml
Ketamine	4.072	88691	2121.8	38.7	333.3	429933	10.002 ng/ml
Lamotrigine	4.309	9704	342.7	89.2	573.5	429933	10.398 ng/ml
Lorazepam	5.751	49103	1348.9	57.3	238.9	253447	10.571 ng/ml
Meprobamate	4.932	58543	863.2	28.3	256.5	266764	10.378 ng/ml
Methadone	5.664	128629	1978.5	46.3	1922.9	632238	10.051 ng/ml
Methamphetamine	3.254	156969	181.1	41.5	174.7	423824	9.150 ng/ml
Metoprolol	4.344	23347	1090.1	99.3	241.6	1080355	9.828 ng/ml

BW

AM #28 Multi-Drug Quant. Results

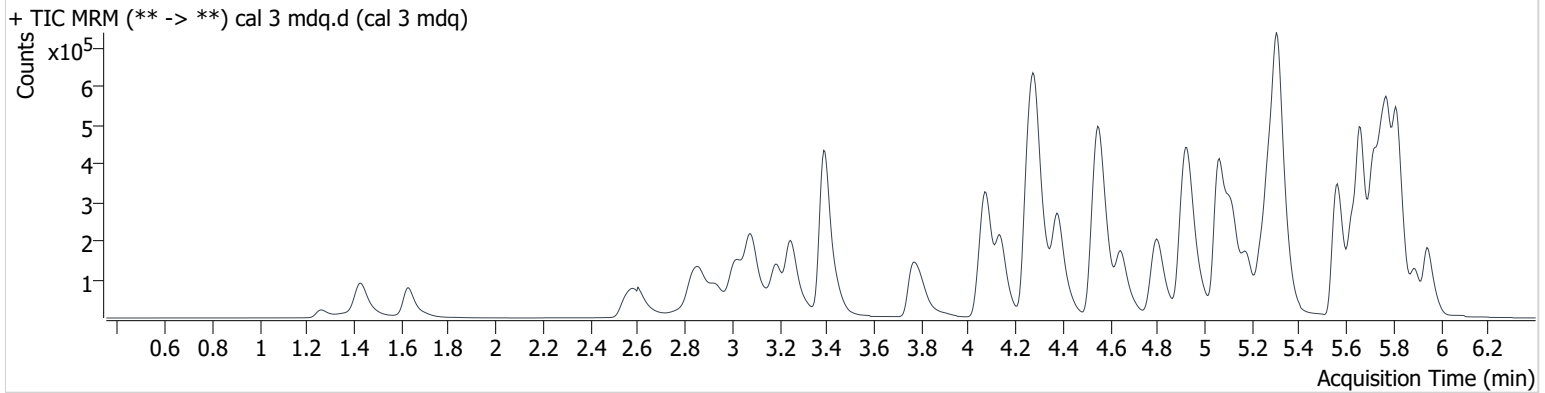
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.651	152488	80059.6	45.9	13292.3	632238	10.075 ng/ml
Mitragynine	5.255	18444	12573.3	37.6	6515.8	632238	10.308 ng/ml
Morphine	1.267	7996	5380.3	20.1	1298.6	9167	10.534 ng/ml
Nordiazepam	5.897	47101	1593.0	61.1	11146.4	156377	9.929 ng/ml
Norfentanyl	4.102	12932	832.0	40.3	104.4	591835	0.961 ng/ml
Norhydrocodone	3.095	1824	85.0	46.1	758.4	79703	9.716 ng/ml
Noroxycodone	2.942	47026	311.2	43.4	396.1	174685	9.694 ng/ml
O-desmethyl-tramadol	3.395	206302	631.9	6.7	133.5	1107531	10.167 ng/ml
Oxazepam	5.758	79434	627.6	75.4	505.1	440888	9.702 ng/ml
Oxycodone	2.869	97624	831.5	29.8	282.0	476111	9.855 ng/ml
Oxymorphone	1.430	61427	306360.1	44.4	116030.3	242578	9.730 ng/ml
Phentermine	3.803	46911	406.0	5.3	59.1	513249	10.091 ng/ml
Promethazine	5.558	85233	887.2	31.7	58.1	381012	10.043 ng/ml
Quetiapine	5.571	91507	79889.7	61.7	397.5	133004	10.201 ng/ml
Sertraline	5.783	29347	1150.7	102.2	25651.3	141167	9.917 ng/ml
Temazepam	5.819	157385	3228.0	28.0	171.5	779033	9.894 ng/ml
Tramadol	4.268	209646	22849.4	3.8	64.5	1083651	10.202 ng/ml
Trazodone	5.179	100077	62.8	82.0	60300.0	448207	10.014 ng/ml
Venlafaxine	5.063	180328	1552.3	38.3	659.7	939640	10.210 ng/ml
Zolpidem	4.935	218133	82189.8	29.8	16481.4	947172	9.903 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 3 mdq.d
Type	Cal	Sample	cal 3 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-C1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 7:20:29 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	5404	1129.5	74.7	4699.1	63591	2.468 ng/ml
7-aminoclonazepam	4.287	111588	170.5	83.6	11788.8	194266	25.722 ng/ml
a-hydroxyalprazolam	5.704	29591	1458.8	62.4	664.5	66725	25.236 ng/ml
alpha-PVP	4.387	266901	44498.2	52.6	2425.2	463970	24.607 ng/ml
Alprazolam	5.777	178847	1254.8	109.8	691.9	253285	24.627 ng/ml
Amphetamine	3.087	442958	1179.6	51.4	1007.2	306803	28.055 ng/ml
Benzoylcegonine	3.906	8236	741.2	8.8	42.2	11561	25.261 ng/ml
Buprenorphine	5.821	4034	82.7	17.0	516.7	59264	2.347 ng/ml
Bupropion	4.809	257330	1627.2	60.9	1149.4	422011	24.825 ng/ml
Carisoprodol	5.729	193881	959.5	58.1	1211.8	366483	25.302 ng/ml
Citalopram	5.246	167379	252.1	44.9	46217.8	291742	25.296 ng/ml
Clonazepam	5.623	159225	2031.4	34.3	788.0	108391	26.282 ng/ml
Cocaine	4.281	212853	26220.5	45.9	5167.1	687059	24.741 ng/ml
Codeine	2.613	32154	298.2	109.4	4690.6	67807	24.760 ng/ml
Cyclobenzaprine	5.635	149160	2921.5	9.0	1445.1	230437	25.402 ng/ml
Dextromethorphan	5.285	95358	5814.1	74.4	635.4	182115	24.966 ng/ml
Dextrorphan	4.141	68228	37675.6	218.3	830.1	319448	24.720 ng/ml
Diazepam	5.947	125053	2229.4	87.6	10231.1	242283	24.873 ng/ml
Dihydrocodeine	2.586	82173	763.7	64.0	405.1	184628	26.462 ng/ml
Diphenhydramine	5.311	506857	4910.8	34.1	423.9	1145612	24.547 ng/ml
Doxylamine	4.559	600603	3054.7	96.9	34027.1	1037374	24.968 ng/ml
EDDP	5.280	113097	131630.3	235.5	6578.8	532861	24.696 ng/ml
Fentanyl	5.122	17604	752.8	71.5	11856.6	379730	2.413 ng/ml
Fluoxetine	5.711	151971	103345.6	8.4	2162.1	256144	25.176 ng/ml
Hydrocodone	3.049	113005	747.9	38.1	357.7	252659	26.503 ng/ml
Hydromorphone	1.633	88351	6255.9	77.4	23417.5	146274	23.904 ng/ml
Ketamine	4.067	211240	28408.4	37.5	1131.7	411079	25.743 ng/ml
Lamotrigine	4.309	23005	509.5	86.3	444.4	411079	27.575 ng/ml
Lorazepam	5.751	109563	673.8	56.1	387.4	242283	26.501 ng/ml
Meprobamate	4.932	137503	101348.9	28.2	2613.4	255792	27.035 ng/ml
Methadone	5.664	324028	9182.1	46.8	5139.9	652316	23.993 ng/ml
Methamphetamine	3.254	354656	205.5	41.4	371.2	462740	26.640 ng/ml
Metoprolol	4.344	55914	95280.5	98.6	849.4	1037374	28.285 ng/ml

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.651	370196	64492.4	46.2	621.8	652316	23.209 ng/ml
Mitragynine	5.255	47292	1958.2	36.2	14369.6	652316	26.546 ng/ml
Morphine	1.267	18730	54128.7	20.8	17847.0	9626	25.199 ng/ml
Nordiazepam	5.897	110683	24044.4	62.4	6916.8	148077	25.287 ng/ml
Norfentanyl	4.102	34436	515.2	40.7	175.1	630731	2.396 ng/ml
Norhydrocodone	3.095	4347	1264.5	36.5	65.0	74389	22.935 ng/ml
Noroxycodone	2.942	111842	921.4	42.6	1854.2	167655	25.597 ng/ml
O-desmethyl-tramadol	3.395	485341	47034.1	6.6	814.3	1066953	24.431 ng/ml
Oxazepam	5.758	179779	2596.5	73.4	1544.0	399843	26.310 ng/ml
Oxycodone	2.864	227924	1671.3	29.7	999.6	457180	25.320 ng/ml
Oxymorphone	1.430	143738	589092.3	44.9	196634.1	231617	25.325 ng/ml
Phentermine	3.803	114594	690.3	5.1	196.0	501930	26.825 ng/ml
Promethazine	5.558	221291	2833.0	32.2	1149.9	403714	24.882 ng/ml
Quetiapine	5.571	221606	161871.9	61.0	144283.4	133409	25.211 ng/ml
Sertraline	5.778	79874	1687.1	101.6	85294.9	154421	25.125 ng/ml
Temazepam	5.819	370568	5106.6	29.7	817.5	743436	24.072 ng/ml
Tramadol	4.263	495827	46570.4	3.5	119.4	1068258	26.144 ng/ml
Trazodone	5.179	259024	165995.1	79.5	704.8	464602	25.686 ng/ml
Venlafaxine	5.063	422939	1081.8	38.7	670.9	899575	24.175 ng/ml
Zolpidem	4.934	519925	863.2	30.1	6222.9	915910	25.018 ng/ml

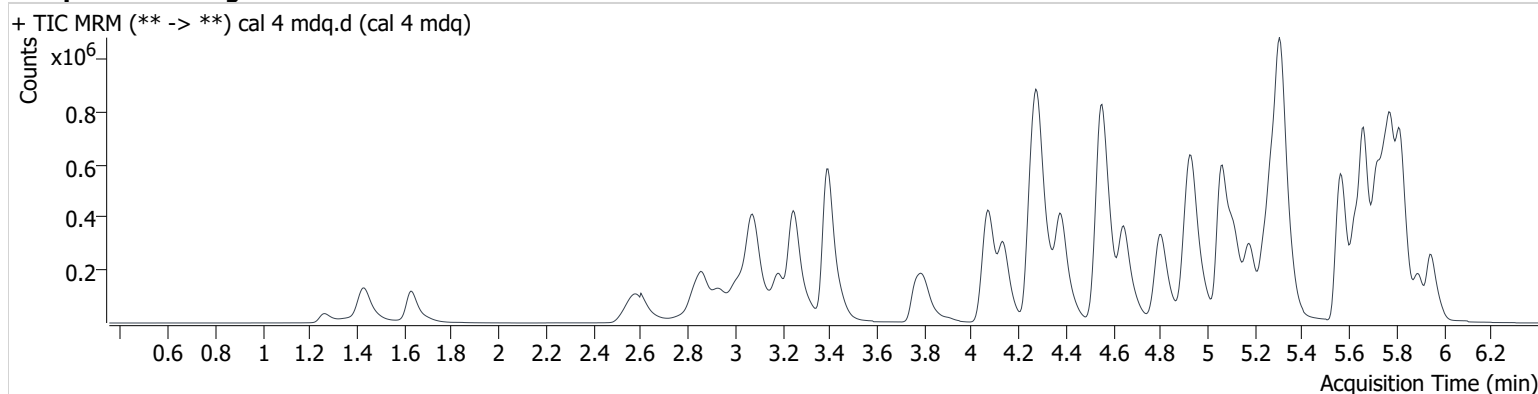
AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 4 mdq.d
Type	Cal	Sample	cal 4 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-D1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 7:31:16 PM		

Sample Info.

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.153	11269	2341.2	74.5	1332.8	64887	5.041 ng/ml
7-aminoclonazepam	4.287	218869	14791.9	83.5	911.7	187006	53.127 ng/ml
a-hydroxyalprazolam	5.704	54837	749.8	62.0	2229.7	60431	52.420 ng/ml
alpha-PVP	4.387	561051	2346.4	52.7	20487.6	487576	48.836 ng/ml
Alprazolam	5.777	342693	4180.8	110.2	147.8	237535	50.473 ng/ml
Amphetamine	3.081	973331	4169.7	52.6	4710.3	348069	55.709 ng/ml
Benzoyllecgonine	3.906	17123	142.2	8.6	1778.7	11939	47.331 ng/ml
Buprenorphine	5.821	8409	1007.3	17.0	1138.3	59946	4.711 ng/ml
Bupropion	4.809	564183	12587.3	60.6	2056.9	452497	51.192 ng/ml
Carisoprodol	5.729	357541	8560.1	58.8	4048.8	344896	49.938 ng/ml
Citalopram	5.246	375344	3555.0	44.8	175487.6	323590	51.627 ng/ml
Clonazepam	5.623	292629	40875.3	34.3	90930.5	99863	53.515 ng/ml
Cocaine	4.281	441538	26202.4	46.1	697.0	704436	50.119 ng/ml
Codeine	2.602	66538	11381.8	106.5	1258.1	67809	51.688 ng/ml
Cyclobenzaprine	5.635	322140	2000.9	9.1	1878.4	249092	51.395 ng/ml
Dextromethorphan	5.285	206718	14446.5	75.3	23038.3	193008	51.365 ng/ml
Dextrorphan	4.136	147623	182428.4	215.8	347.6	337676	50.669 ng/ml
Diazepam	5.947	247340	3176.3	87.1	2589.7	234680	51.041 ng/ml
Dihydrocodeine	2.576	171346	15184.4	63.4	15726.6	191267	54.021 ng/ml
Diphenhydramine	5.311	1094027	545.9	34.5	2414.2	1230797	48.771 ng/ml
Doxylamine	4.554	1279719	4691.7	97.4	38778.5	1100514	50.339 ng/ml
EDDP	5.280	223109	241860.4	239.0	2480.5	519663	50.146 ng/ml
Fentanyl	5.117	37471	507.9	71.3	30345.5	390556	5.031 ng/ml
Fluoxetine	5.716	310311	46691.9	8.5	679.2	260653	51.053 ng/ml
Hydrocodone	3.043	222662	937.6	38.5	473.8	256818	52.756 ng/ml
Hydromorphone	1.633	191196	1361962.1	69.5	24040.7	149111	50.481 ng/ml
Ketamine	4.067	436114	113137.2	37.7	1116.3	423658	52.127 ng/ml
Lamotrigine	4.309	45363	709.1	88.7	1545.1	423658	53.867 ng/ml
Lorazepam	5.751	179402	3785.6	56.7	991.2	234680	45.745 ng/ml
Meprobamate	4.932	259900	19196.9	28.4	482.6	244368	54.581 ng/ml
Methadone	5.664	711160	37201.6	45.7	1103.2	677539	50.276 ng/ml
Methamphetamine	3.249	842629	7744.8	41.4	1607.6	581235	56.814 ng/ml
Metoprolol	4.344	113394	4699.7	97.7	3768.3	1100514	56.373 ng/ml

AM #28 Multi-Drug Quant. Results

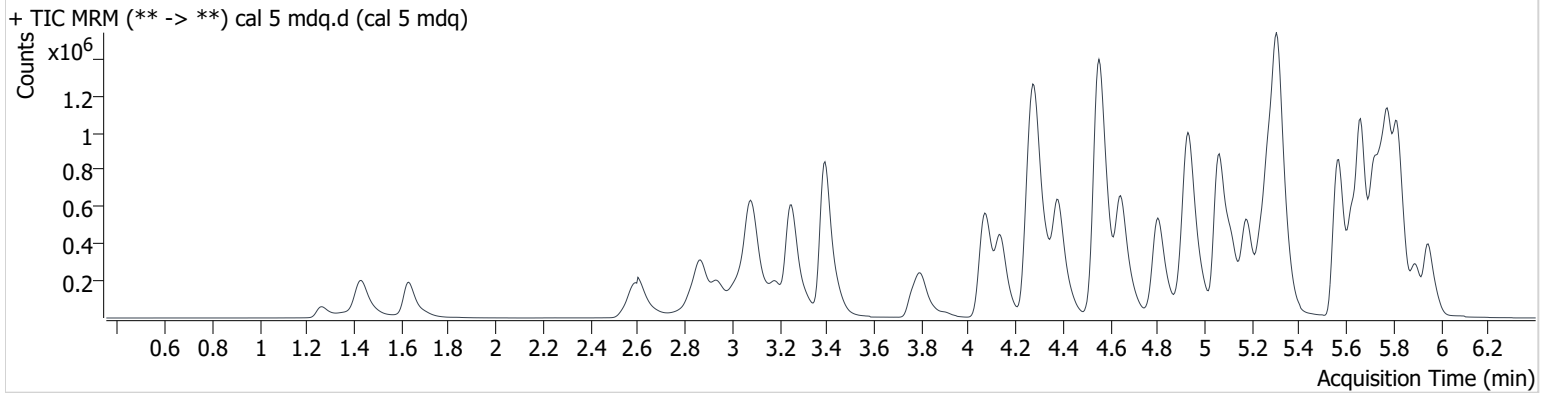
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.646	811738	4772.1	46.3	112094.6	677539	48.588 ng/ml
Mitragynine	5.250	96479	1245.7	36.4	671.3	677539	52.743 ng/ml
Morphine	1.267	38282	215129.9	21.4	45320.9	9732	52.351 ng/ml
Nordiazepam	5.897	215814	58807.7	61.8	3339.3	141714	51.975 ng/ml
Norfentanyl	4.102	75045	529.7	40.7	594.2	677327	4.857 ng/ml
Norhydrocodone	3.090	9082	491.6	40.8	55.1	72919	47.519 ng/ml
Noroxycodone	2.942	218809	1679.7	42.2	596.6	162246	52.835 ng/ml
O-desmethyl-tramadol	3.395	1003818	111877.6	6.5	8500.2	1086901	49.318 ng/ml
Oxazepam	5.758	309148	4071.6	73.6	1524.3	353335	52.524 ng/ml
Oxycodone	2.859	463077	909.5	29.6	2113.2	464764	51.551 ng/ml
Oxymorphone	1.430	292726	26.0	44.6	478030.3	231206	52.728 ng/ml
Phentermine	3.803	252543	1349.8	5.2	194.4	555703	54.468 ng/ml
Promethazine	5.558	470552	35180.0	31.9	1786.0	424473	50.515 ng/ml
Quetiapine	5.571	478107	215965.8	60.2	235899.2	140771	51.975 ng/ml
Sertraline	5.783	160313	245.9	100.6	98731.2	150597	52.029 ng/ml
Temazepam	5.819	713162	6080.2	29.6	378.5	706369	48.521 ng/ml
Tramadol	4.263	1015482	1342.5	3.5	138.0	1095120	53.420 ng/ml
Trazodone	5.179	545926	21760.0	80.5	139689.5	485173	52.304 ng/ml
Venlafaxine	5.063	891459	192466.1	38.3	281.8	931433	48.613 ng/ml
Zolpidem	4.934	1070822	654.3	30.1	82893.1	923928	51.512 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 5 mdq.d
Type	Cal	Sample	cal 5 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-E1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 7:42:04 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	21327	51185.0	74.9	1931.5	64038	9.665 ng/ml
7-aminoclonazepam	4.287	384233	19791.8	82.2	20136.4	172685	101.624 ng/ml
a-hydroxyalprazolam	5.704	100525	1213.4	59.0	736.4	56053	104.331 ng/ml
alpha-PVP	4.382	1049793	57860.6	52.4	21888.6	465018	95.440 ng/ml
Alprazolam	5.777	633445	4556.9	109.4	4463.8	223279	99.399 ng/ml
Amphetamine	3.087	1584416	2469.2	52.4	2249.7	310651	102.813 ng/ml
Benzoylcegonine	3.906	32215	4128.0	8.4	140.0	11541	88.832 ng/ml
Buprenorphine	5.827	16009	15215.7	15.6	1081.7	56338	9.423 ng/ml
Bupropion	4.804	1052767	1897.4	60.4	1879.0	435085	99.735 ng/ml
Carisoprodol	5.729	636462	9226.1	57.7	207.6	308033	99.903 ng/ml
Citalopram	5.241	648572	241.0	44.7	285074.4	282552	102.628 ng/ml
Clonazepam	5.623	523307	596543.4	34.4	193347.2	93543	103.162 ng/ml
Cocaine	4.281	808763	1159.5	45.7	285464.5	661786	97.778 ng/ml
Codeine	2.613	126769	22650.7	104.4	4885.5	65468	102.413 ng/ml
Cyclobenzaprine	5.635	547512	41554.8	9.0	700.3	213693	102.453 ng/ml
Dextromethorphan	5.285	359166	59365.0	75.9	3136.0	177434	97.332 ng/ml
Dextrorphan	4.136	282150	260795.2	214.3	532.6	333360	98.159 ng/ml
Diazepam	5.947	462229	5342.2	88.5	3279.5	229687	97.680 ng/ml
Dihydrocodeine	2.586	327202	39789.0	64.9	11897.6	190891	104.044 ng/ml
Diphenhydramine	5.311	1950413	2391.1	34.3	639.4	1128284	94.337 ng/ml
Doxylamine	4.554	2470300	3168.9	96.7	108109.6	1080512	99.155 ng/ml
EDDP	5.280	436966	187166.9	232.6	7392.6	516523	98.992 ng/ml
Fentanyl	5.122	68884	1687.9	70.2	91913.7	373423	9.706 ng/ml
Fluoxetine	5.711	538428	135006.5	8.4	37795.8	231729	100.145 ng/ml
Hydrocodone	3.043	410995	1712.3	39.5	771.9	249158	101.702 ng/ml
Hydromorphone	1.633	367649	902571.9	74.0	6911.0	147989	97.584 ng/ml
Ketamine	4.067	821747	757.0	38.1	3489.5	414896	100.807 ng/ml
Lamotrigine	4.309	81281	1450.5	88.4	617.0	414896	99.563 ng/ml
Lorazepam	5.751	268891	7022.0	57.4	702.5	229687	70.780 ng/ml
Meprobamate	4.932	459835	102153.6	28.5	126.4	231925	102.713 ng/ml
Methadone	5.664	1288217	121871.6	45.8	22696.1	628075	97.883 ng/ml
Methamphetamine	3.254	1262377	6886.1	41.4	1982.6	477876	109.448 ng/ml
Metoprolol	4.344	209352	92112.0	97.0	31864.3	1080512	108.227 ng/ml

AM #28 Multi-Drug Quant. Results

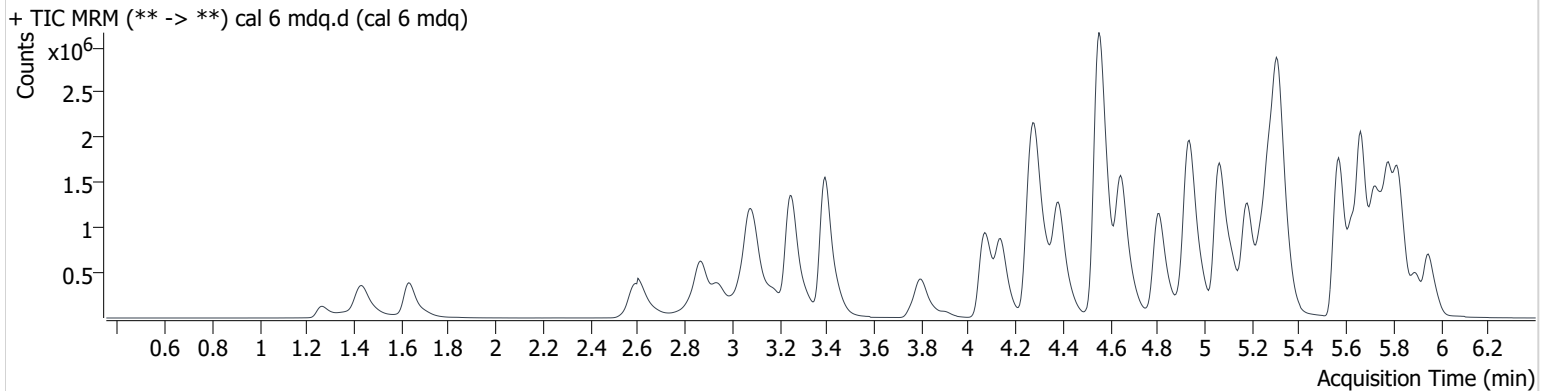
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.646	1497086	98954.8	46.1	852.4	628075	96.305 ng/ml
Mitragynine	5.250	174077	162385.6	38.2	44647.1	628075	103.252 ng/ml
Morphine	1.267	73741	360410.3	20.8	1431.0	9696	102.505 ng/ml
Nordiazepam	5.897	400336	35366.3	61.7	26261.0	137095	100.064 ng/ml
Norfentanyl	4.102	142398	1891.0	39.9	2483.3	649870	9.601 ng/ml
Norhydrocodone	3.095	17060	1356.2	43.4	59.0	68382	93.968 ng/ml
Noroxycodone	2.942	395035	1420.3	42.8	2001.3	154382	101.203 ng/ml
O-desmethyl-tramadol	3.395	1917615	83451.0	6.5	188.5	1063282	96.043 ng/ml
Oxazepam	5.758	494242	7479.1	73.4	7977.8	287612	104.513 ng/ml
Oxycodone	2.864	903018	1634.5	29.6	19962.2	463322	101.747 ng/ml
Oxymorphone	1.430	551896	5046.8	44.8	28.5	225364	102.942 ng/ml
Phentermine	3.803	439127	3573.9	5.2	684.7	508372	104.502 ng/ml
Promethazine	5.558	785858	8560.7	32.3	2055.1	367152	97.710 ng/ml
Quetiapine	5.571	891488	111265.2	60.8	44383.9	133801	102.358 ng/ml
Sertraline	5.783	261554	500.5	102.0	10406.9	129593	98.917 ng/ml
Temazepam	5.819	1332297	5344.4	29.5	1189.7	665145	96.035 ng/ml
Tramadol	4.263	1888135	436277.0	3.5	141.8	1061996	103.517 ng/ml
Trazodone	5.179	1074388	61396.9	78.2	185.9	491877	101.960 ng/ml
Venlafaxine	5.063	1689994	333587.6	37.9	1103.3	899550	94.868 ng/ml
Zolpidem	4.934	2058490	531265.1	30.0	752389.5	906981	101.271 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 6 mdq.d
Type	Cal	Sample	cal 6 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-F1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 7:52:51 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	52690	545.8	74.3	428.1	60368	25.326 ng/ml
7-aminoclonazepam	4.287	694698	46238.7	84.6	17871.0	131044	243.076 ng/ml
a-hydroxyalprazolam	5.704	181257	7715.2	59.9	1788.5	42728	247.810 ng/ml
alpha-PVP	4.387	2510283	2921.3	52.7	1532.5	433257	244.341 ng/ml
Alprazolam	5.783	1267788	155.9	108.8	1461.6	179022	248.342 ng/ml
Amphetamine	3.087	3322008	5716.4	52.8	17822.9	284951	236.890 ng/ml
Benzoylcegonine	3.906	85902	34733.6	7.6	745.1	12307	216.907 ng/ml
Buprenorphine	5.827	38944	18188.9	16.1	12316.8	51643	24.813 ng/ml
Bupropion	4.809	2569764	20602.1	61.2	1278.6	423764	250.576 ng/ml
Carisoprodol	5.728	1176710	2408.8	58.4	2774.4	228150	249.932 ng/ml
Citalopram	5.241	1436173	26675.9	45.5	3747.6	252769	254.732 ng/ml
Clonazepam	5.623	933580	170238.7	33.7	291899.9	67154	257.987 ng/ml
Cocaine	4.281	1798400	141853.2	46.0	157159.0	579458	248.409 ng/ml
Codeine	2.613	281652	123.0	104.9	5168.3	59212	252.196 ng/ml
Cyclobenzaprine	5.630	1227818	119270.1	9.2	1923.2	193030	255.305 ng/ml
Dextromethorphan	5.290	823806	8436.2	74.9	244844.6	156407	253.715 ng/ml
Dextrorphan	4.141	704458	75832.0	216.3	722942.1	327476	249.584 ng/ml
Diazepam	5.947	994901	3612.9	88.1	8688.2	192329	251.465 ng/ml
Dihydrocodeine	2.586	771639	82973.9	62.8	729.5	185481	253.591 ng/ml
Diphenhydramine	5.317	4524473	113226.0	34.2	2655.4	1008894	243.874 ng/ml
Doxylamine	4.554	6156606	1897.6	96.8	2962.6	1064879	251.037 ng/ml
EDDP	5.280	1101626	2001.3	237.2	228558.7	508721	253.685 ng/ml
Fentanyl	5.122	172523	1576.7	72.0	467.4	361614	25.160 ng/ml
Fluoxetine	5.711	1169509	18426.1	8.5	14102.3	198086	255.286 ng/ml
Hydrocodone	3.043	948379	1520.0	39.2	1200.3	232051	254.154 ng/ml
Hydromorphone	1.633	885870	3127977.6	73.4	21832.9	139462	249.141 ng/ml
Ketamine	4.067	1921788	1041.3	38.1	8598.0	389946	251.664 ng/ml
Lamotrigine	4.309	157994	1038.6	88.9	2078.3	389946	207.209 ng/ml
Lorazepam	5.746	352205	4764.1	56.2	619.3	192329	111.492 ng/ml
Meprobamate	4.932	850111	657.8	28.7	3786.3	185027	239.488 ng/ml
Methadone	5.664	3049626	35985.0	46.5	69566.4	598598	242.570 ng/ml
Methamphetamine	3.254	2988021	2175.6	41.0	7768.6	476999	269.419 ng/ml
Metoprolol	4.344	439848	282781.6	97.0	58649.9	1064879	233.579 ng/ml

AM #28 Multi-Drug Quant. Results

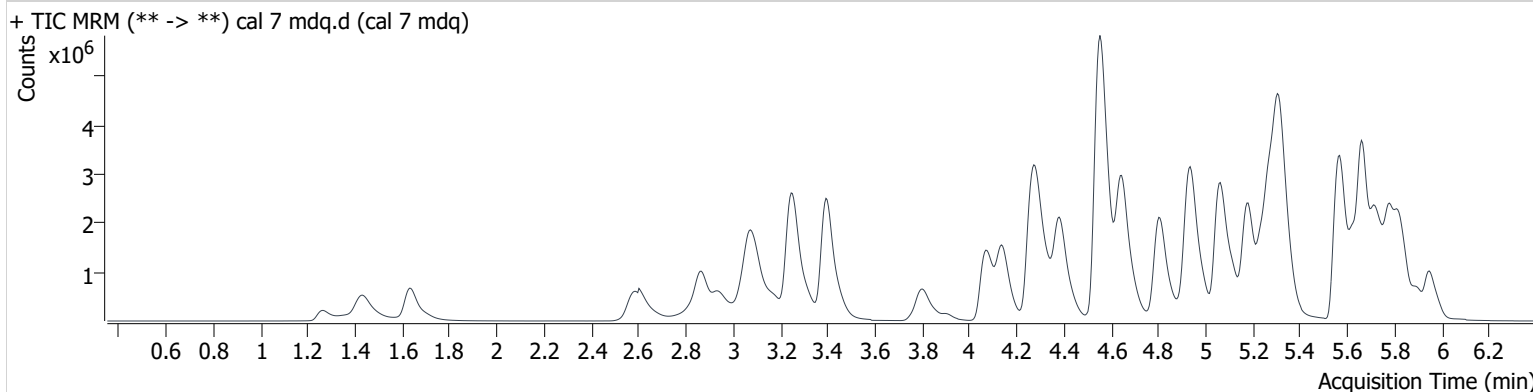
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.651	3689185	210768.2	46.1	1420.6	598598	248.425 ng/ml
Mitragynine	5.250	380121	299.1	37.9	163949.0	598598	237.374 ng/ml
Morphine	1.267	171925	1657.1	21.2	108374.5	9180	254.442 ng/ml
Nordiazepam	5.897	786828	58205.4	61.8	5854.4	107472	251.535 ng/ml
Norfentanyl	4.102	328131	12715.8	40.3	3182.3	571525	25.150 ng/ml
Norhydrocodone	3.095	47459	940.6	42.8	1554.3	59760	296.483 ng/ml
Noroxycodone	2.942	840069	666.9	42.7	3548.0	128688	259.836 ng/ml
O-desmethyl-tramadol	3.395	4603714	287676.3	6.4	1155.4	996167	245.680 ng/ml
Oxazepam	5.753	676863	30136.8	72.7	6263.1	160410	258.673 ng/ml
Oxycodone	2.864	2150214	4461.9	29.2	921.7	439249	256.987 ng/ml
Oxymorphone	1.430	1222963	4208918.9	44.3	32.3	199388	259.365 ng/ml
Phentermine	3.803	992882	9671.4	5.1	1095.9	476637	253.540 ng/ml
Promethazine	5.558	1864656	24474.3	31.6	4654.4	339698	250.876 ng/ml
Quetiapine	5.571	2091080	1191.6	60.7	4849.0	129113	249.396 ng/ml
Sertraline	5.783	524590	10998.4	102.5	102625.4	102575	251.113 ng/ml
Temazepam	5.824	2614407	32818.5	29.5	3290.1	502138	249.258 ng/ml
Tramadol	4.263	4236851	219088.6	3.5	582.6	992295	250.274 ng/ml
Trazodone	5.179	2702202	807.1	78.6	698.3	496081	254.947 ng/ml
Venlafaxine	5.067	4096005	262208.6	38.4	36899.5	855598	240.845 ng/ml
Zolpidem	4.934	4977878	1629.7	29.7	61831.2	875091	254.447 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 7 mdq.d
Type	Cal	Sample	cal 7 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-G1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 8:03:39 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	97766	2266.1	74.4	2644.9	56838	49.909 ng/ml
7-aminoclonazepam	4.292	882340	690.4	84.0	16726.1	87303	464.040 ng/ml
a-hydroxyalprazolam	5.699	231850	1170.9	61.5	617.2	28672	473.045 ng/ml
alpha-PVP	4.389	4613476	2378.6	52.2	9487.9	395378	491.689 ng/ml
Alprazolam	5.783	1898448	3676.6	108.8	16727.8	134434	495.370 ng/ml
Amphetamine	3.081	5520707	1243.0	52.3	2033.1	277710	404.974 ng/ml
Benzoylcegonine	3.906	192294	714.1	7.9	6879.0	12813	462.378 ng/ml
Buprenorphine	5.827	79361	85312.8	16.3	4037.9	47764	54.528 ng/ml
Bupropion	4.804	5075104	27377.6	60.2	1885.7	422473	496.787 ng/ml
Carisoprodol	5.734	1532263	11715.6	57.9	2350.8	147270	504.565 ng/ml
Citalopram	5.241	2601785	42793.8	45.6	119413.0	232027	503.190 ng/ml
Clonazepam	5.623	1123616	19309.6	33.9	146983.0	44795	466.363 ng/ml
Cocaine	4.287	3043039	299495.9	45.4	120605.1	488011	499.153 ng/ml
Codeine	2.608	467124	54848.8	107.5	64782.3	50114	494.613 ng/ml
Cyclobenzaprine	5.630	2694839	440147.1	9.2	7673.1	211153	512.902 ng/ml
Dextromethorphan	5.285	1643672	70156.8	76.1	524587.2	160972	492.129 ng/ml
Dextrorphan	4.141	1463412	703.8	216.4	692.4	343488	494.373 ng/ml
Diazepam	5.947	1609243	4304.6	87.0	19240.2	158567	493.578 ng/ml
Dihydrocodeine	2.576	1424910	2535.4	64.3	53989.5	181555	479.070 ng/ml
Diphenhydramine	5.317	8398825	20577.4	33.5	40052.4	917663	497.148 ng/ml
Doxylamine	4.554	12032015	510348.6	96.0	6132.3	1027019	508.890 ng/ml
EDDP	5.280	2064345	207726.7	239.7	15393.1	485599	498.198 ng/ml
Fentanyl	5.122	398924	537.6	72.3	2971.1	420305	50.090 ng/ml
Fluoxetine	5.711	2747158	127939.4	8.4	126953.8	231850	512.870 ng/ml
Hydrocodone	3.043	1677669	484.8	39.4	1930.9	214122	488.589 ng/ml
Hydromorphone	1.633	1689888	33590.4	73.7	182143.4	134463	492.703 ng/ml
Ketamine	4.072	3410862	319561.2	38.0	24285.8	354856	491.359 ng/ml
Lamotrigine	4.315	222730	4390.4	89.3	1411.2	354856	321.661 ng/ml
Lorazepam	5.746	355191	18638.0	56.5	2958.5	158567	136.683 ng/ml
Meprobamate	4.932	1193034	68616.2	28.3	13502.2	147060	423.720 ng/ml
Methadone	5.664	6341777	100093.2	45.1	1889.4	592890	508.870 ng/ml
Methamphetamine	3.249	6270923	19938.8	40.7	7196.7	548292	497.856 ng/ml
Metoprolol	4.344	682969	9880.3	96.6	65221.9	1027019	377.597 ng/ml

AM #28 Multi-Drug Quant. Results

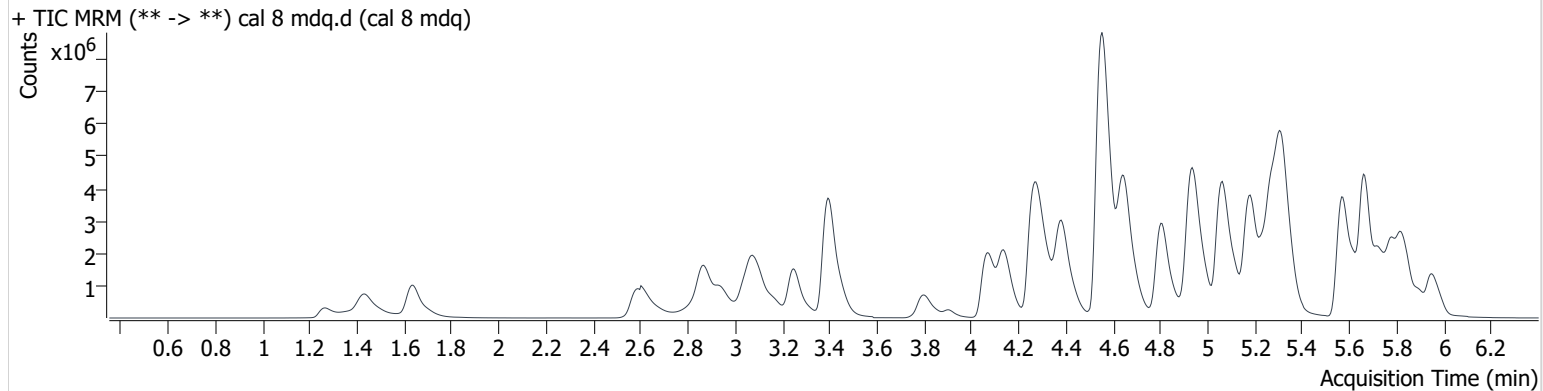
Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.646	7339761	4295.2	45.3	199808.4	592890	498.638 ng/ml
Mitragynine	5.250	715541	42965.8	38.5	424681.7	592890	451.700 ng/ml
Morphine	1.267	311815	1214800.3	21.2	205967.7	8448	502.815 ng/ml
Nordiazepam	5.897	1141521	19034.4	60.8	13882.5	80946	484.918 ng/ml
Norfentanyl	4.102	594309	844.7	40.0	5235.5	510249	51.018 ng/ml
Norhydrocodone	3.095	100473	18.5	42.3	166.5	54903	681.617 ng/ml
Noroxycodone	2.942	1356826	4261.1	42.9	404.1	104221	519.254 ng/ml
O-desmethyl-tramadol	3.401	8452722	226318.6	6.3	51622.4	905926	495.736 ng/ml
Oxazepam	5.753	661009	17761.2	73.7	5053.6	79763	509.382 ng/ml
Oxycodone	2.864	3847391	9533.3	29.2	2749.5	408489	495.331 ng/ml
Oxymorphone	1.430	2057863	4460.9	44.4	4537383.9	171939	507.076 ng/ml
Phentermine	3.803	1753097	1756.0	5.1	1462.9	465518	459.233 ng/ml
Promethazine	5.558	4865413	110535.0	31.2	60467.6	434442	512.043 ng/ml
Quetiapine	5.571	3616740	2122.0	59.4	1051114.7	114038	488.772 ng/ml
Sertraline	5.783	1101292	19238.1	103.7	70528.0	107754	502.137 ng/ml
Temazepam	5.824	3745557	100115.8	29.4	1636.5	343376	521.957 ng/ml
Tramadol	4.263	7380128	266197.6	3.4	2434.4	897956	482.852 ng/ml
Trazodone	5.180	5170108	2254.5	78.4	214082.9	499898	484.474 ng/ml
Venlafaxine	5.064	7642940	692446.4	37.0	1610.5	772323	497.243 ng/ml
Zolpidem	4.937	8877748	4879.3	29.7	891.1	806951	492.497 ng/ml

AM #28 Multi-Drug Quant. Results

Batch results D:\MassHunter\Data\2020 Data\am 27-28 3-10-2020\QuantResults\mdq.batch.bin
Calibration Last Update 3/11/2020 11:59:32 AM

Instrument	69679	Data File	cal 8 mdq.d
Type	Cal	Sample	cal 8 mdq
Acq. Method	mdq p1 cda 121818.m	Operator	Britany Wylie
Sample Position	P2-H1	Comment	
Injection Volume	2		
Acq. Date-Time	3/10/2020 8:25:11 PM		

Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.158	180304	5864.6	73.7	2606.3	50283	104.041 ng/ml
7-aminoclonazepam	4.292	838414	19529.3	89.6	41559.0	46507	828.268 ng/ml
a-hydroxyalprazolam	5.699	363531	4597.1	59.6	1142.9	22002	967.374 ng/ml
alpha-PVP	4.387	7173292	3672.8	51.9	29278.4	296371	1019.482 ng/ml
Alprazolam	5.783	3028141	33356.1	109.3	43805.0	105538	1006.645 ng/ml
Amphetamine	3.087	5193510	177308.0	51.9	14493.1	136234	777.948 ng/ml
Benzoylcegonine	3.906	396445	38421.0	8.1	68832.1	11245	1081.484 ng/ml
Buprenorphine	5.827	99994	3508.4	16.1	16533.3	31107	105.386 ng/ml
Bupropion	4.809	7353224	26151.5	59.5	5625.5	305019	997.368 ng/ml
Carisoprodol	5.729	2455598	15956.0	57.4	46930.9	121474	980.682 ng/ml
Citalopram	5.236	2999531	3344.3	45.8	256258.5	136274	988.187 ng/ml
Clonazepam	5.623	1615301	123284.5	34.6	158523.3	33331	902.051 ng/ml
Cocaine	4.281	4504027	241910.2	45.4	478416.1	358899	1004.645 ng/ml
Codeine	2.618	724235	∞	103.8	84301.9	40165	957.198 ng/ml
Cyclobenzaprine	5.630	1512509	45393.2	9.1	3264.7	62185	978.067 ng/ml
Dextromethorphan	5.285	1694470	31414.8	75.8	86533.2	81303	1004.771 ng/ml
Dextrorphan	4.141	2164744	390645.9	217.8	244924.5	249378	1007.345 ng/ml
Diazepam	5.953	2489258	5286.9	87.3	5460.1	120338	1006.295 ng/ml
Dihydrocodeine	2.581	2249962	2610.1	63.8	71637.7	160186	857.967 ng/ml
Diphenhydramine	5.317	10826031	884881.0	33.6	42600.9	578650	1015.693 ng/ml
Doxylamine	4.554	19539137	503743.3	96.1	919138.0	864524	981.907 ng/ml
EDDP	5.280	3517337	1090557.7	241.9	439611.7	405327	1017.157 ng/ml
Fentanyl	5.122	510753	21365.5	74.2	373617.9	257943	104.537 ng/ml
Fluoxetine	5.711	635579	4668.3	8.4	2253.4	28064	980.754 ng/ml
Hydrocodone	3.043	2924090	2428.1	40.3	1435.3	182261	1001.994 ng/ml
Hydromorphone	1.638	2803089	92216.1	74.0	4692.7	108703	1010.691 ng/ml
Ketamine	4.067	5449717	451666.4	37.9	3890.7	296391	940.437 ng/ml
Lamotrigine	4.309	267557	495.2	89.7	2968.6	296391	463.151 ng/ml
Lorazepam	5.746	422935	351.2	59.1	2086.8	120338	215.235 ng/ml
Meprobamate	4.932	1465756	573.5	28.5	86.7	105498	726.463 ng/ml
Methadone	5.664	8536785	203567.4	45.4	1019282.7	405556	1001.047 ng/ml
Methamphetamine	3.249	3263528	10737.3	41.2	9674.0	147942	966.931 ng/ml
Metoprolol	4.344	911451	920119.8	97.5	6548.0	864524	600.113 ng/ml

BW

AM #28 Multi-Drug Quant. Results

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Mirtazapine	4.646	11317796	288520.3	45.1	155129.9	405556	1123.596 ng/ml
Mitragynine	5.245	659123	45163.7	38.9	240165.6	405556	608.499 ng/ml
Morphine	1.267	483191	807.5	20.8	708650.7	6672	987.877 ng/ml
Nordiazepam	5.897	1529359	31971.5	60.5	5062.5	53578	981.976 ng/ml
Norfentanyl	4.102	647492	47867.8	40.3	10761.0	260003	109.076 ng/ml
Norhydrocodone	3.095	205231	3662.5	41.9	1116.9	47823	1596.817 ng/ml
Noroxycodone	2.942	1979091	612.6	42.1	16189.2	81698	967.115 ng/ml
O-desmethyl-tramadol	3.395	14324398	1144.1	6.2	51686.1	750889	1013.266 ng/ml
Oxazepam	5.753	667124	14281.2	72.5	7729.0	42128	974.627 ng/ml
Oxycodone	2.864	6786362	12254.6	29.0	8189.6	359216	994.508 ng/ml
Oxymorphone	1.430	3192310	7877893.5	44.2	4404580.1	138378	978.334 ng/ml
Phentermine	3.803	2018791	9270.8	5.0	823.7	280038	880.089 ng/ml
Promethazine	5.553	2577815	2108391.0	31.2	61696.2	119199	988.948 ng/ml
Quetiapine	5.571	6505065	2458344.6	59.2	3579567.9	105616	949.587 ng/ml
Sertraline	5.783	195214	7690.4	104.4	11307.0	9940	965.145 ng/ml
Temazepam	5.829	5308740	82437.4	29.1	867.2	239826	1058.977 ng/ml
Tramadol	4.258	11352934	348434.5	3.4	326.4	749701	890.666 ng/ml
Trazodone	5.180	8472129	1579.0	78.6	1845.7	427735	928.249 ng/ml
Venlafaxine	5.063	12577995	553106.2	36.7	100799.2	620170	1018.473 ng/ml
Zolpidem	4.938	14821454	10629.8	29.2	225595.5	689822	962.234 ng/ml