

**REVIEWED**

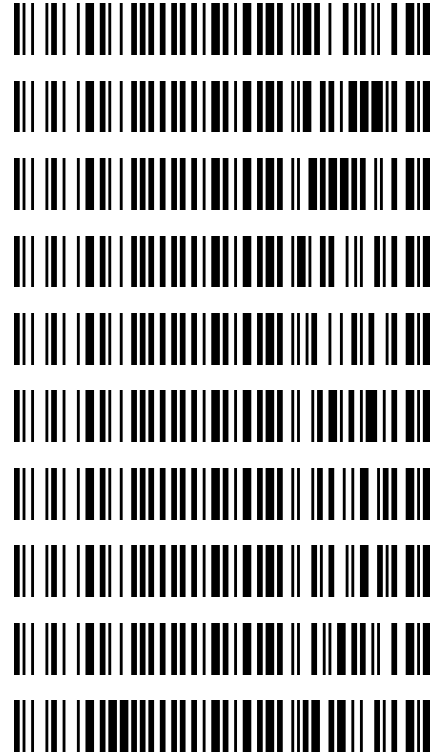
By Anne Nord at 11:01 am, Dec 24, 2020

12/24/2020

*Bylye*

**Worklist: 4695**

<u>LAB CASE</u>	<u>ITEM</u>	<u>ITEM TYPE</u>	<u>DESCRIPTION</u>
C2020-2390	1	AVK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2395	2	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2410	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2460	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2478	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2488	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2489	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2541	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
C2020-2544	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ
P2020-3536	1	BCK	AM 28 Blood Multi-Drug Quant Panel 1 by LC-QQQ



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

Byylie

Extraction Date 12/22/2020

Analyst: Britany Wylie

Plate lot#: 200513

Plate Expiration: 11/13/2020

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

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

**Blank Blood Lot:** 20G20792

**Urine Blank lot:** 10120

**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.
- 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 R<sup>2</sup> 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: *Due to the extraction occurring after the expiration of the analytical plate, an external control was included with this run as specified in the analytical method.*

**Curve limitations:** 25-1000- Benzylecgonine, 1-100 buprenorphine, 5-500 Lamotrigine, 5-500 Metoprolol,

**Not evaluated:** Norbuprenorphine, norhydrocodone, Sertraline

**This batch was evaluated qualitatively.**

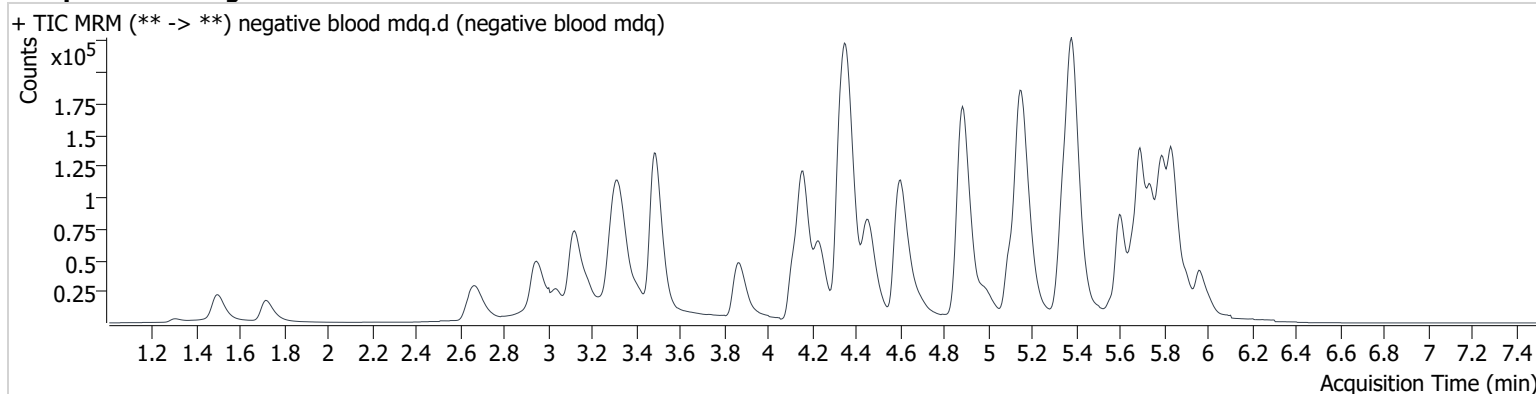
# AM #28 Multi-Drug Quant. Results

*BWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	negative blood mdq.d
<b>Type</b>	Sample	<b>Sample</b>	negative blood mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-F2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 5:06:49 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Bupropion	4.893	6667	2001.9			175687	0.704 ng/ml <5

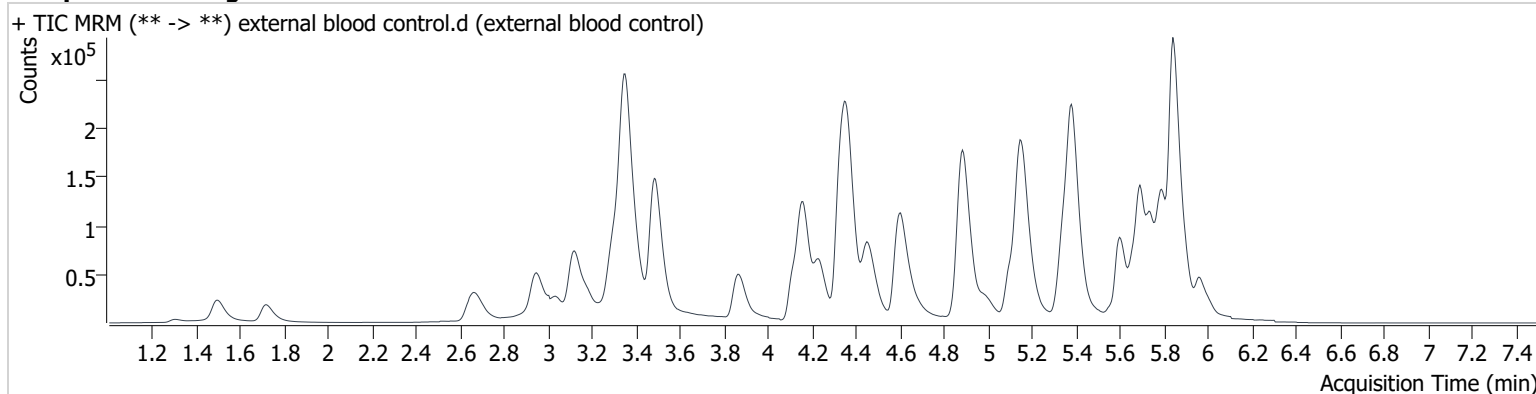
# AM #28 Multi-Drug Quant. Results

*BWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	external blood control.d
<b>Type</b>	Sample	<b>Sample</b>	external blood control
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-G2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 5:15:51 PM		
<b>Sample Info.</b>			

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methamphetamine	3.354	189450	∞	238.8	∞	280727	81.646 ng/ml
Temazepam	5.844	467329	33159.9	30.4	7175.5	324206	69.112 ng/ml

Byline

Toxicology AM method 25/28 urine external control prep  
working solution 10000 ng/ml in meoh methamphetamine, temazepam, midazolam  
Stock solution 1mg/ml 50 ul each in 4850 ul MeOH (fisher 195629)

ppd 8/6/20: Exp: 4/1/2021 lot 4121                      by baw

Drug	lot	expiration
Methamphetamine	FE08101708	10/1/2022
midazolam	FE01221602	4/1/2021
temazepam	FE04261601	5/1/2021

**AM 25/28 control 500 ul working solution (4121) in 4500 ul negative urine (1000ng/mL Expected concentration)**

ppd 8/6/20, exp 4/1/2021 lot u4121                      negative urine 73020                      by AMN

**AM 25/28 Blood Control: 50ul working solution (4121) in 4950 ul neg blood (100ng/mL Expected concentration)**

ppp 8/6/20, exp 4/1/21 lot b4121                      neg blood 20G20792                      by AMN

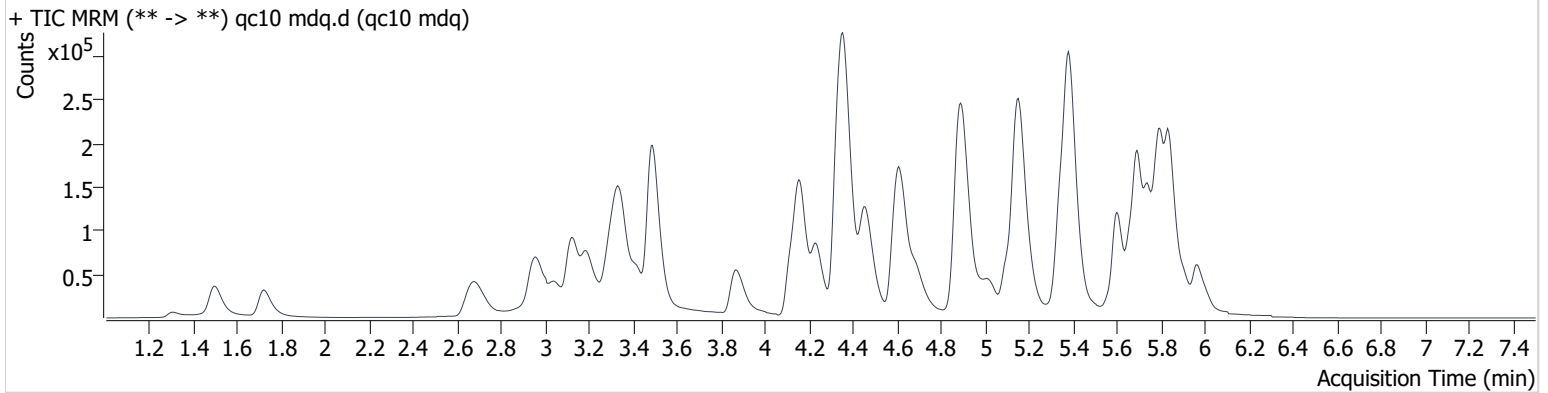
# AM #28 Multi-Drug Quant. Results

*Byylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc10 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc10 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-A2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 4:12:57 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	1442	21900.5	73.4	2584.4	32988	1.002 ng/ml
7-aminoclonazepam	4.354	32008	3179.3	95.4	14893.8	125315	10.236 ng/ml
a-hydroxyalprazolam	5.733	6208	111344.6	61.2	19459.3	32263	10.709 ng/ml
alpha-PHP	5.031	50076	362020.0	37.7	20651.6	199636	10.791 ng/ml
alpha-PVP	4.464	80045	16513.7	51.0	10182.3	327005	10.077 ng/ml
Alprazolam	5.802	38527	4190.0	111.6	13115.9	136190	10.642 ng/ml
Amphetamine	3.197	117537	17937.7	48.6	9142.6	174471	9.869 ng/ml
Benzoylecgonine	3.996	1875	7975.8	12.6 <b>High</b>	2211.4	6862	11.823 ng/ml <b>OCR</b>
Buprenorphine	5.691	791	782.7	15.7	4439.4	23297	1.148 ng/ml
Bupropion	4.883	62712	8755.0	68.3	7568.0	199636	10.157 ng/ml
Carisoprodol	5.757	23969	3778.1	71.9	2704.6	117177	10.091 ng/ml
Citalopram	5.328	42271	4619.7	39.1	78233.0	156815	11.421 ng/ml
Clonazepam	5.661	37600	22048.7	31.0	112569.3	61274	9.653 ng/ml
Cocaine	4.363	67032	18617.8	46.9	8547.0	472727	10.092 ng/ml
Codeine	2.720	7568	9797.6	109.8	4486.3	41234	9.750 ng/ml
Cyclobenzaprine	5.669	49457	5939.0	7.4	444.9	120609	12.902 ng/ml
Dextromethorphan	5.367	30493	364435.1	78.3	293.7	119507	11.842 ng/ml
Dextrorphan	4.232	17054	11949.4	223.5	16412.9	205051	10.114 ng/ml
Diazepam	5.968	26122	8085.9	85.3	13403.0	119284	10.613 ng/ml
Dihydrocodeine	2.684	20573	12439.7	59.5	7421.4	113872	9.620 ng/ml
Diphenhydramine	5.389	131305	12679.1	29.2	14719.2	590891	11.375 ng/ml
Doxylamine	4.620	145981	2316.5	97.0	6800.6	566279	10.077 ng/ml
EDDP	5.357	27365	7574.7	220.9	24082.8	277768	10.498 ng/ml
Fentanyl	5.172	4724	730.7	62.3	34395.1	177880	1.303 ng/ml
Fluoxetine	5.739	45183	8900.0	7.3	81501.5	117578	13.059 ng/ml
Hydrocodone	3.142	34031	9048.7	32.2	1440.8	184247	9.717 ng/ml
Hydromorphone	1.722	28498	7308.2	65.8	518.8	84898	10.390 ng/ml
Ketamine	4.137	57409	22140.6	37.9	2112.3	251297	9.801 ng/ml
Lamotrigine	4.406	5312	9694.2	89.7	22471.4	656812	10.745 ng/ml
Lorazepam	5.780	34086	5540.2	47.1	897.6	260524	10.441 ng/ml
MDA	3.344	83384	27153.0	23.9	5197.8	240074	10.835 ng/ml
MDMA	3.425	52480	36450.0	92.0	26826.2	48255	10.349 ng/ml
Meprobamate	5.012	20679	38944.8	29.2	1087.8	78349	9.545 ng/ml

# AM #28 Multi-Drug Quant. Results

*Bylye*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	82088	45417.6	53.1	7867.2	328768	11.727 ng/ml
Methamphetamine	3.354	34662	∞	239.0	∞	297262	10.765 ng/ml
Metoprolol	4.421	10172	2575.6	94.3	1511.1	202960	10.904 ng/ml
Mirtazapine	4.692	81423	8284.8	47.9	3076.5	328768	10.705 ng/ml
Mitragynine	5.296	14538	1489.5	30.9	44126.6	23297	11.426 ng/ml
Morphine	1.311	4151	2556.5	19.5	1307.5	5502	9.481 ng/ml
Nordiazepam	5.917	20087	31634.4	63.0	9240.6	70574	10.204 ng/ml
Norfentanyl	4.183	1352	313.4	264.3	983.6	456995	1.076 ng/ml
Noroxycodone	3.055	29993	5620.9	43.4	2428.3	101882	10.407 ng/ml
O-desmethyl-tramadol	3.491	119217	38514.2	6.8	4600.3	613159	10.091 ng/ml
Oxazepam	5.787	48079	4069.1	76.0	1618.1	260524	10.205 ng/ml
Oxycodone	2.973	67597	10893.5	28.5	5981.8	273168	10.051 ng/ml
Oxymorphone	1.494	34448	11487.0	44.4	13939.9	131818	9.952 ng/ml
Phentermine	3.898	15786	552.7	8.8	499.8	202960	10.439 ng/ml
Promethazine	5.601	64935	11229.5	40.3	5241.7	261775	11.985 ng/ml
Quetiapine	5.577	32809	8789.9	63.1	114747.8	39741	10.975 ng/ml
Temazepam	5.844	77984	4752.8	29.5	965.6	368259	10.264 ng/ml
Tramadol	4.344	144221	10724.5	3.4	192.2	677909	10.293 ng/ml
Trazodone	5.141	63103	14958.9	72.8	5129.2	253277	11.447 ng/ml
Venlafaxine	5.149	78398	68724.8	45.7	5670.5	590692	10.326 ng/ml
Zolpidem	4.906	153457	10536.6	31.0	8102.0	656812	10.280 ng/ml

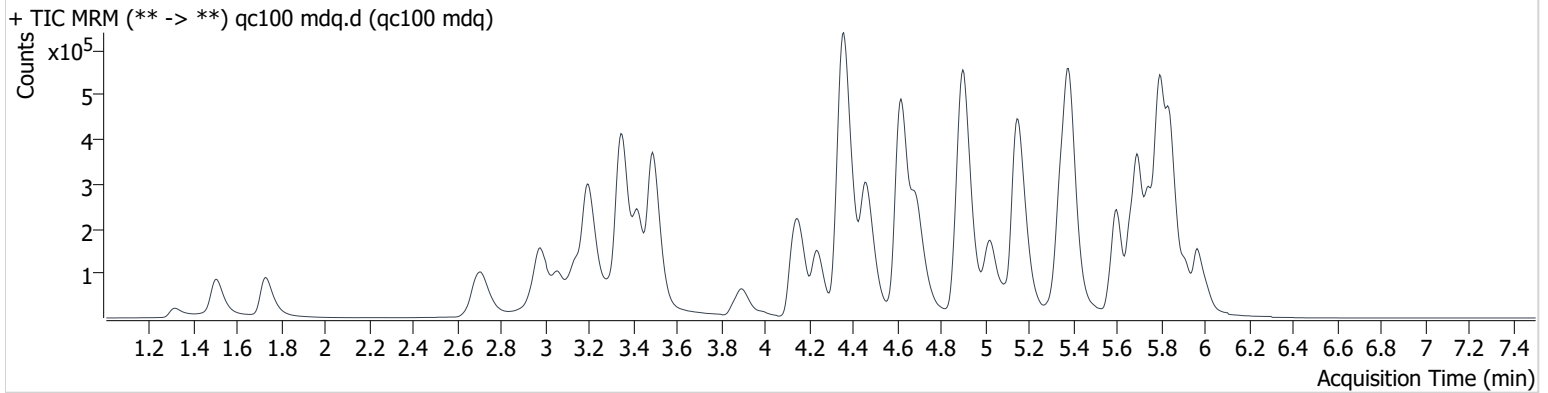
# AM #28 Multi-Drug Quant. Results

*ByWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc100 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc100 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-B2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 4:21:58 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	9512	70000.9	79.2	635.1	22515	9.896 ng/ml
7-aminoclonazepam	4.359	211653	6514.5	94.7	9092.3	81031	107.304 ng/ml
a-hydroxyalprazolam	5.733	38602	7446.8	64.8	16434.2	20744	102.260 ng/ml
alpha-PHP	5.026	325787	110249.8	38.8	67730.6	131940	108.055 ng/ml
alpha-PVP	4.464	553913	59961.4	51.7	6562.9	219340	104.688 ng/ml
Alprazolam	5.807	254327	4417.2	115.4	2317.2	89764	101.529 ng/ml
Amphetamine	3.197	808240	116358.0	44.0	4910.3	112647	104.529 ng/ml
Benzoylcegonine	3.986	12853	7029.9	7.4	986.1	4644	101.177 ng/ml
Buprenorphine	5.691	3874	1405.2	13.1	4458.8	12734	12.254 ng/ml
Bupropion	4.883	404955	30915.9	67.0	19635.4	131940	104.461 ng/ml
Carisoprodol	5.752	165771	7869.8	70.8	15045.2	78686	103.204 ng/ml
Citalopram	5.328	223330	26602.2	38.7	599028.3	91032	106.013 ng/ml
Clonazepam	5.661	252165	747459.2	31.2	784716.0	38916	107.050 ng/ml
Cocaine	4.363	462644	259596.3	46.6	242381.6	309948	108.481 ng/ml
Codeine	2.720	54312	6454.1	110.6	6809.9	27751	105.176 ng/ml
Cyclobenzaprine	5.669	230110	1165176.0	7.8	81860.3	67222	109.477 ng/ml
Dextromethorphan	5.362	158890	1621336.8	80.2	1031914.7	72851	106.024 ng/ml
Dextrorphan	4.237	119718	67609.2	222.2	183561.9	145328	102.572 ng/ml
Diazepam	5.968	186414	17204.9	86.3	86195.2	85246	106.294 ng/ml
Dihydrocodeine	2.689	154108	24071.9	57.4	45915.5	77991	107.457 ng/ml
Diphenhydramine	5.389	718516	∞	30.4	101041.0	360133	106.373 ng/ml
Doxylamine	4.615	1002605	94335.9	96.1	31146.1	367937	105.664 ng/ml
EDDP	5.351	180869	551937.7	223.9	145783.7	193845	103.542 ng/ml
Fentanyl	5.167	20822	1274.9	72.9	65398.6	100057	9.949 ng/ml
Fluoxetine	5.745	194250	89483.6	7.5	139445.8	66850	108.365 ng/ml
Hydrocodone	3.147	226457	12720.6	36.5	5107.5	120243	100.299 ng/ml
Hydromorphone	1.727	198903	16066.4	72.1	16089.0	56727	106.300 ng/ml
Ketamine	4.137	410340	17593.6	38.9	8781.2	170059	107.528 ng/ml
Lamotrigine	4.416	36843	20362.5	89.0	305295.2	446073	116.500 ng/ml
Lorazepam	5.780	216803	25743.8	47.9	11883.4	168992	109.336 ng/ml
MDA	3.344	572475	40898.7	24.8	8145.9	167655	108.966 ng/ml
MDMA	3.425	367355	431350.7	95.5	82817.6	32949	108.289 ng/ml
Meprobamate	5.012	145873	519329.8	28.2	1380.9	50726	108.416 ng/ml



# AM #28 Multi-Drug Quant. Results

*Bylye*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	415406	75545.1	56.0	111565.1	192361	104.201 ng/ml
Methamphetamine	3.354	149542	517.5	238.0	1562.1	169670	107.867 ng/ml
Metoprolol	4.415	67731	34113.1	97.1	18086.5	129729	127.936 ng/ml
Mirtazapine	4.692	485497	11202.4	47.6	24240.1	192361	112.520 ng/ml
Mitragynine	5.302	73731	19132.3	30.4	15103.1	12734	104.391 ng/ml
Morphine	1.316	29604	8384.8	17.9	1641.9	3693	104.776 ng/ml
Nordiazepam	5.917	155637	1467300.6	63.1	20548.3	52391	107.251 ng/ml
Norfentanyl	4.183	9224	5723.4	269.0	884.3	324650	10.202 ng/ml
Noroxycodone	3.061	210661	3838.2	45.5	64740.6	69067	110.239 ng/ml
O-desmethyl-tramadol	3.491	821078	91075.1	6.6	5713.5	414429	103.601 ng/ml
Oxazepam	5.787	319481	21714.6	74.4	40086.7	168992	104.889 ng/ml
Oxycodone	2.973	477495	23594.0	27.5	48325.1	183214	106.813 ng/ml
Oxymorphone	1.499	234754	24305.4	44.0	65134.1	87395	105.683 ng/ml
Phentermine	3.898	107939	7131.8	8.2	2753.0	129729	108.402 ng/ml
Promethazine	5.601	322331	3787417.5	39.0	33222.9	148751	103.912 ng/ml
Quetiapine	5.572	195948	1833352.2	59.1	839655.3	24691	107.200 ng/ml
Temazepam	5.844	537350	59906.7	30.6	9916.2	246400	104.495 ng/ml
Tramadol	4.344	981199	423778.5	3.4	3228.8	468641	106.251 ng/ml
Trazodone	5.136	334717	32229.6	77.4	46564.9	152594	105.322 ng/ml
Venlafaxine	5.149	538812	334065.2	43.5	94698.8	392311	103.751 ng/ml
Zolpidem	4.901	1041568	36327.8	31.4	24641.9	446073	102.911 ng/ml

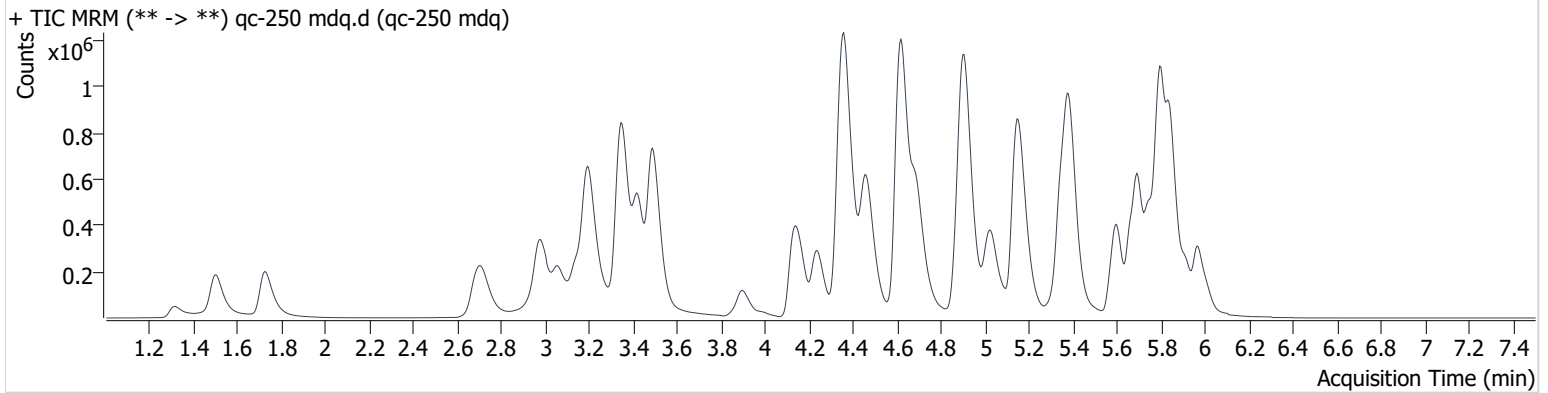
# AM #28 Multi-Drug Quant. Results

*ByWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc-250 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-250 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-C2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 4:30:59 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	24452	108603.8	69.4	38875.1	22607	25.375 ng/ml
7-aminoclonazepam	4.354	482528	19057.1	93.0	26346.1	79650	249.250 ng/ml
a-hydroxyalprazolam	5.733	95152	33413.5	62.0	6884.0	19761	264.365 ng/ml
alpha-PHP	5.026	751163	149207.7	39.6	93584.1	118552	277.601 ng/ml
alpha-PVP	4.464	1292718	651560.0	52.3	59677.4	216388	247.760 ng/ml
Alprazolam	5.802	598939	17540.2	114.4	69183.1	86278	247.946 ng/ml
Amphetamine	3.197	1804341	31773.0	45.6	160888.7	109343	240.329 ng/ml
Benzoylcegonine	3.986	32110	448789.4	8.3	5889.2	4615	251.232 ng/ml
Buprenorphine	5.686	6907	4465.6	16.0	26406.0	10390	27.069 ng/ml
Bupropion	4.883	901268	157752.7	66.3	68049.1	118552	259.621 ng/ml
Carisoprodol	5.757	394444	126269.9	68.8	25369.1	77009	250.805 ng/ml
Citalopram	5.328	444985	6702.8	39.5	3421.2	75265	255.840 ng/ml
Clonazepam	5.661	616796	747991.6	31.1	2625124.8	39830	256.576 ng/ml
Cocaine	4.363	1083193	5833.4	46.8	14776.8	305971	257.610 ng/ml
Codeine	2.720	128076	10655.5	117.3	22442.7	27554	249.968 ng/ml
Cyclobenzaprine	5.669	382774	4430520.3	7.7	24137.6	46460	263.831 ng/ml
Dextromethorphan	5.367	285534	44490.5	79.0	1304465.9	54198	257.008 ng/ml
Dextrophan	4.237	286526	36750.0	225.1	287516.4	147404	242.397 ng/ml
Diazepam	5.968	430737	90662.2	88.5	93671.2	82608	253.500 ng/ml
Dihydrocodeine	2.684	374056	147575.1	59.0	30672.4	78543	259.308 ng/ml
Diphenhydramine	5.389	1432894	341738.7	30.0	139840.5	303031	252.836 ng/ml
Doxylamine	4.615	2684221	176477.5	96.8	2094432.7	417448	249.215 ng/ml
EDDP	5.351	436346	3928377.6	223.2	28147.3	194525	249.602 ng/ml
Fentanyl	5.167	38726	7800.9	73.2	184042.6	77397	23.867 ng/ml
Fluoxetine	5.745	305496	16940.0	7.8	289195.4	43021	266.939 ng/ml
Hydrocodone	3.142	557495	35924.9	36.5	13559.8	126964	234.021 ng/ml
Hydromorphone	1.727	469542	82115.7	70.0	20986.8	59301	239.747 ng/ml
Ketamine	4.132	965847	159543.3	39.1	36795.5	167921	256.898 ng/ml
Lamotrigine	4.416	88032	18160.3	89.4	13927.9	449201	277.435 ng/ml
Lorazepam	5.780	493766	28973.3	48.4	16182.8	164072	257.541 ng/ml
MDA	3.344	1334872	246720.9	24.8	67031.7	160674	265.521 ng/ml
MDMA	3.425	882033	971790.0	94.6	104431.9	33986	252.386 ng/ml
Meprobamate	5.012	355362	1636859.8	28.1	30894.5	52330	256.625 ng/ml

# AM #28 Multi-Drug Quant. Results

*Bylye*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	787797	199132.8	54.2	60975.8	153276	248.504 ng/ml
Methamphetamine	3.354	312559	∞	235.7	∞	155242	251.597 ng/ml
Metoprolol	4.415	163106	66112.1	94.0	288466.2	123506	325.940 ng/ml
Mirtazapine	4.692	1041589	35968.4	47.5	14644.7	153276	303.589 ng/ml
Mitragynine	5.302	138883	1756220.0	30.4	5832.5	10390	240.737 ng/ml
Morphine	1.316	69867	15723.1	18.7	15452.3	3853	237.504 ng/ml
Nordiazepam	5.917	366174	2220802.2	61.4	29181.3	50493	261.930 ng/ml
Norfentanyl	4.183	22059	248941.4	280.7	2931.6	325800	24.290 ng/ml
Noroxycodone	3.055	505233	62184.5	44.6	101654.2	72089	253.639 ng/ml
O-desmethyl-tramadol	3.491	2005700	246195.3	6.9	39962.3	419399	250.193 ng/ml
Oxazepam	5.792	757236	133212.2	71.4	18652.6	164072	256.116 ng/ml
Oxycodone	2.973	1159541	131136.0	29.5	51423.2	188646	252.049 ng/ml
Oxymorphone	1.499	577730	23787.4	44.2	17090.4	90676	251.174 ng/ml
Phentermine	3.898	246641	1682.1	8.0	4295.1	123506	259.705 ng/ml
Promethazine	5.601	546521	2030028.6	39.0	91664.7	101416	258.266 ng/ml
Quetiapine	5.577	453606	3971227.5	57.4	42897.6	23894	256.709 ng/ml
Temazepam	5.844	1287861	25587.7	30.3	30565.1	248325	248.321 ng/ml
Tramadol	4.344	2305303	1190322.3	3.5	10681.6	468596	250.416 ng/ml
Trazodone	5.141	740467	29106.7	75.5	1558899.6	135930	262.420 ng/ml
Venlafaxine	5.149	1347518	862037.9	43.3	3749.4	400904	253.430 ng/ml
Zolpidem	4.906	2567477	99459.4	31.0	49204.6	449201	251.938 ng/ml

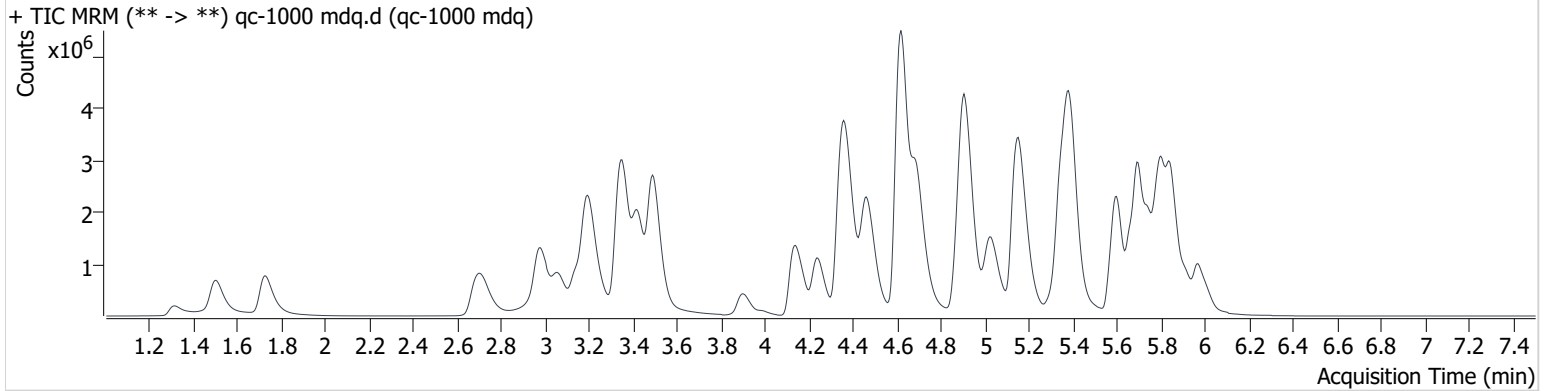
# AM #28 Multi-Drug Quant. Results

*ByWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	qc-1000 mdq.d
<b>Type</b>	QC	<b>Sample</b>	qc-1000 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-D2	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 4:40:00 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	108856	38874.7	75.3	36943.0	25423	100.519 ng/ml
7-aminoclonazepam	4.359	1419645	13658.3	90.7	622095.0	59351	984.963 ng/ml
a-hydroxyalprazolam	5.733	264008	7873.1	65.2	20623.9	14214	1019.299 ng/ml
alpha-PHP	5.026	3506558	211068.1	38.8	140568.2	140734	1092.246 ng/ml
alpha-PVP	4.464	5469568	448814.6	52.1	289409.0	221880	1022.588 ng/ml
Alprazolam	5.802	2022166	83841.7	111.1	169088.6	66126	1090.336 ng/ml
Amphetamine	3.198	6799250	548078.6	46.5	638005.4	103123	960.063 ng/ml
Benzoylcegonine	3.986	148034	22168.1	7.8	12429.1	4804	1105.824 ng/ml
Buprenorphine	5.691	34742	14640.3	17.3	30791.2	14655	97.161 ng/ml
Bupropion	4.878	4016065	2140103.4	64.7	159719.2	140734	976.172 ng/ml
Carisoprodol	5.757	1274208	681660.1	66.1	141731.0	62627	996.021 ng/ml
Citalopram	5.323	2161754	420285.8	41.3	3487470.6	91742	1020.425 ng/ml
Clonazepam	5.656	1821843	23874.8	31.6	3369602.3	32896	918.995 ng/ml
Cocaine	4.363	4009320	898615.9	46.1	17802.1	288433	1012.183 ng/ml
Codeine	2.720	524449	47221.8	111.9	41136.6	27154	1039.054 ng/ml
Cyclobenzaprine	5.669	2267028	27354952.6	8.4	184586.0	72324	1004.456 ng/ml
Dextromethorphan	5.362	1526618	10051360.5	76.2	3599.2	71493	1043.624 ng/ml
Dextrophan	4.237	1286663	36219.6	224.1	697241.4	160790	998.722 ng/ml
Diazepam	5.968	1680803	171966.0	88.0	595292.4	78603	1039.697 ng/ml
Dihydrocodeine	2.684	1519567	110416.5	60.8	51161.2	86722	954.675 ng/ml
Diphenhydramine	5.389	7725011	3429013.5	29.8	422150.0	398101	1039.224 ng/ml
Doxylamine	4.615	12571895	321919.3	96.7	5002872.7	472808	1030.283 ng/ml
EDDP	5.351	2377138	19952958.7	224.1	2290644.3	265293	998.516 ng/ml
Fentanyl	5.173	233066	18944.0	74.3	18340.0	108063	102.751 ng/ml
Fluoxetine	5.745	1687676	10649900.6	7.8	218002.9	64180	992.466 ng/ml
Hydrocodone	3.142	2290510	22268.5	34.7	10227.9	124257	982.867 ng/ml
Hydromorphone	1.727	2067740	119082.1	72.3	107641.8	64748	966.247 ng/ml
Ketamine	4.132	3974330	122123.7	39.1	40547.2	179218	991.667 ng/ml
Lamotrigine	4.416	271722	42276.0	93.5	60968.3	460486	836.839 ng/ml
Lorazepam	5.775	1250469	290023.5	49.0	53391.7	117254	914.658 ng/ml
MDA	3.338	5085400	10551.1	25.2	17692.8	156174	1041.499 ng/ml
MDMA	3.425	3606337	171988.8	91.3	25808.0	36736	955.339 ng/ml
Meprobamate	5.012	1219334	12203254.5	27.7	14692.4	52068	886.077 ng/ml

# AM #28 Multi-Drug Quant. Results

*Bylye*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	5021426	1786977.0	51.2	559935.2	236157	1029.195 ng/ml
Methamphetamine	3.349	1217880	∞	241.2	∞	167228	920.649 ng/ml
Metoprolol	4.421	555329	1770372.3	95.0	2152902.8	140130	981.134 ng/ml
Mirtazapine	4.692	5747267	994233.9	46.9	1208861.6	236157	1088.198 ng/ml
Mitragynine	5.296	819155	1924620.2	32.1	4176935.5	14655	1006.057 ng/ml
Morphine	1.311	288309	32092.9	20.3	16942.6	4085	925.741 ng/ml
Nordiazepam	5.917	1308976	13052194.6	62.7	506789.3	46617	1014.426 ng/ml
Norfentanyl	4.183	95115	868919.6	275.9	108012.0	319870	106.625 ng/ml
Noroxycodone	3.055	1999313	16430.1	45.6	414854.8	71653	1010.587 ng/ml
O-desmethyl-tramadol	3.491	8861729	4567142.7	6.6	130075.9	448999	1032.811 ng/ml
Oxazepam	5.787	2124604	562953.5	72.9	112005.3	117254	1005.622 ng/ml
Oxycodone	2.973	5006333	74253.9	28.8	37951.1	206702	993.461 ng/ml
Oxymorphone	1.499	2455836	422228.8	44.2	75618.4	99460	974.458 ng/ml
Phentermine	3.898	1108448	43422.9	7.2	13754.6	140130	1027.699 ng/ml
Promethazine	5.601	3992912	52262795.4	37.2	720110.5	187614	1019.686 ng/ml
Quetiapine	5.572	2340204	16937153.9	60.0	13641236.6	30993	1021.654 ng/ml
Temazepam	5.849	4879187	54314.1	29.8	217101.4	224536	1040.054 ng/ml
Tramadol	4.344	8913417	3084586.6	3.4	13739.5	488996	929.354 ng/ml
Trazodone	5.136	3848357	30077.3	74.5	133998.7	199374	931.332 ng/ml
Venlafaxine	5.149	6098177	3773067.2	41.2	371587.7	391271	1173.926 ng/ml
Zolpidem	4.906	10709508	231147.1	29.5	224250.0	460486	1025.197 ng/ml

	1	2	3	4	5	6	7	8	9	10	11	12
A	IS + Cal. 1	IS + QC_1	c2395-2- did not flow on SLE	c2478-1	IS + Cal. 1	IS + QC_1						IS + Cal. 8
B	IS + Cal. 2	IS + QC_2	c2410-1		IS + Cal. 2	IS + QC_2						IS + Cal. 7
C	IS + Cal. 3	IS + QC_3	c2460-1		IS + Cal. 3	IS + QC_3						IS + Cal. 6
D	IS + Cal. 4	IS + QC_4	p3536-1		IS + Cal. 4	IS + QC_4					IS + QC_2	IS + Cal. 5
E	IS + Cal. 5	c2395-2 2nd	c2488-1		IS + Cal. 5	Urine IS + QC_2					IS + QC_4	IS + Cal. 4
F	IS + Cal. 6	neg blood	c2489-1		IS + Cal. 6						IS + QC_3	IS + Cal. 3
G	IS + Cal. 7	ext ctrl	c2541-1		IS + Cal. 7						IS + QC_2	IS + Cal. 2
H	IS + Cal. 8	c2390-1	c2544-1		IS + Cal. 8						IS + QC_1	IS + Cal. 1

All wells to contain 60 µl of Trapping Solution

Case #: \_\_2020-\_\_\_\_-\_\_

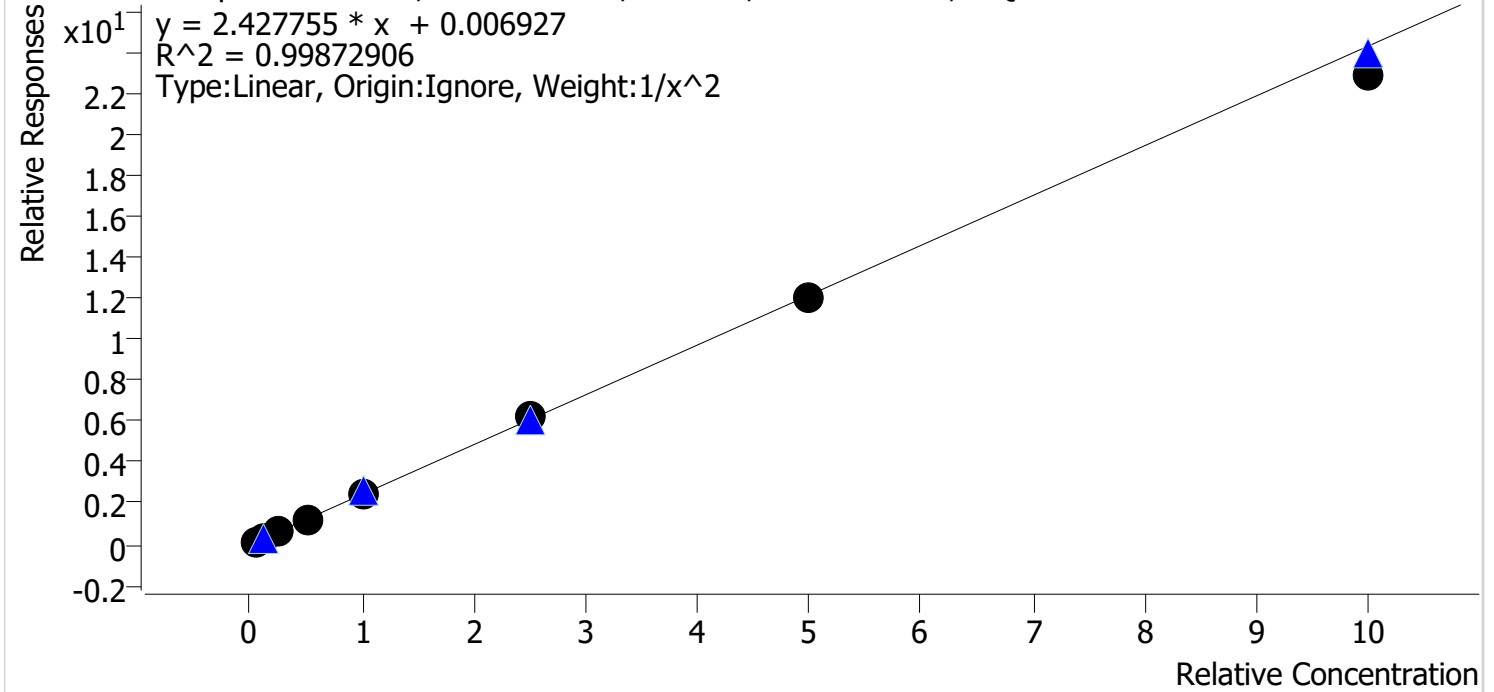


# Compound Calibration Report

*Byyle*

<b>Batch results</b>	D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	12/24/2020 7:17 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	7-aminoclonazepam	<b>Internal Standard</b>	7-Aminoclonazepam-D4

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



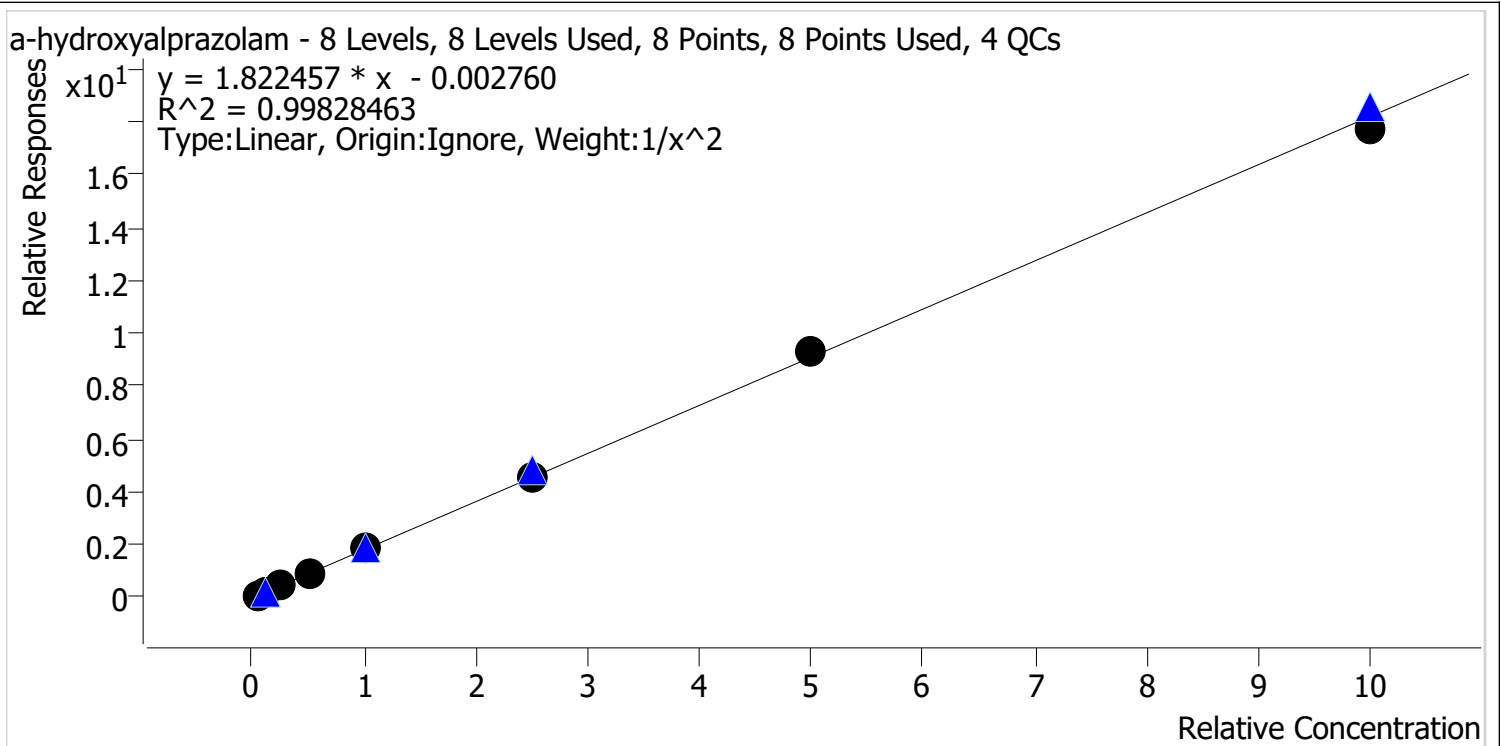
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.2
cal 2 mdq	2	✓	10.0	9.8	97.6
cal 3 mdq	3	✓	25.0	25.9	103.6
cal 4 mdq	4	✓	50.0	51.0	102.1
cal 5 mdq	5	✓	100.0	101.0	101.0
cal 6 mdq	6	✓	250.0	256.7	102.7
cal 7 mdq	7	✓	500.0	493.4	98.7
cal 8 mdq	8	✓	1000.0	941.5	94.2



# Compound Calibration Report

*Bylye*

<b>Batch results</b>	D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	12/24/2020 7:17 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	a-hydroxyalprazolam	<b>Internal Standard</b>	a-hydroxyalprazolam-D5



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.3
cal 2 mdq	2	✓	10.0	9.6	96.0
cal 3 mdq	3	✓	25.0	23.9	95.4
cal 4 mdq	4	✓	50.0	52.1	104.1
cal 5 mdq	5	✓	100.0	104.2	104.2
cal 6 mdq	6	✓	250.0	246.8	98.7
cal 7 mdq	7	✓	500.0	510.5	102.1
cal 8 mdq	8	✓	1000.0	971.2	97.1



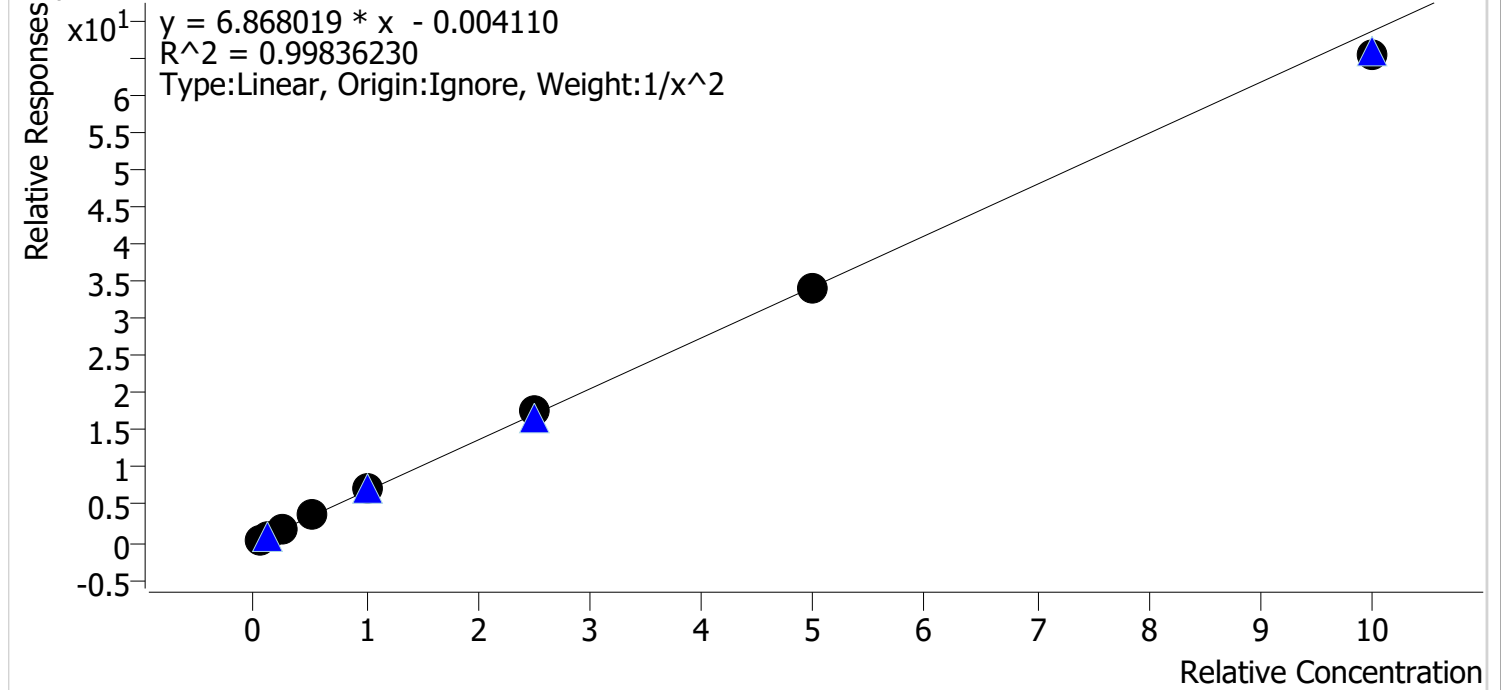


# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Amphetamine **Internal Standard** Amphetamine-D11

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



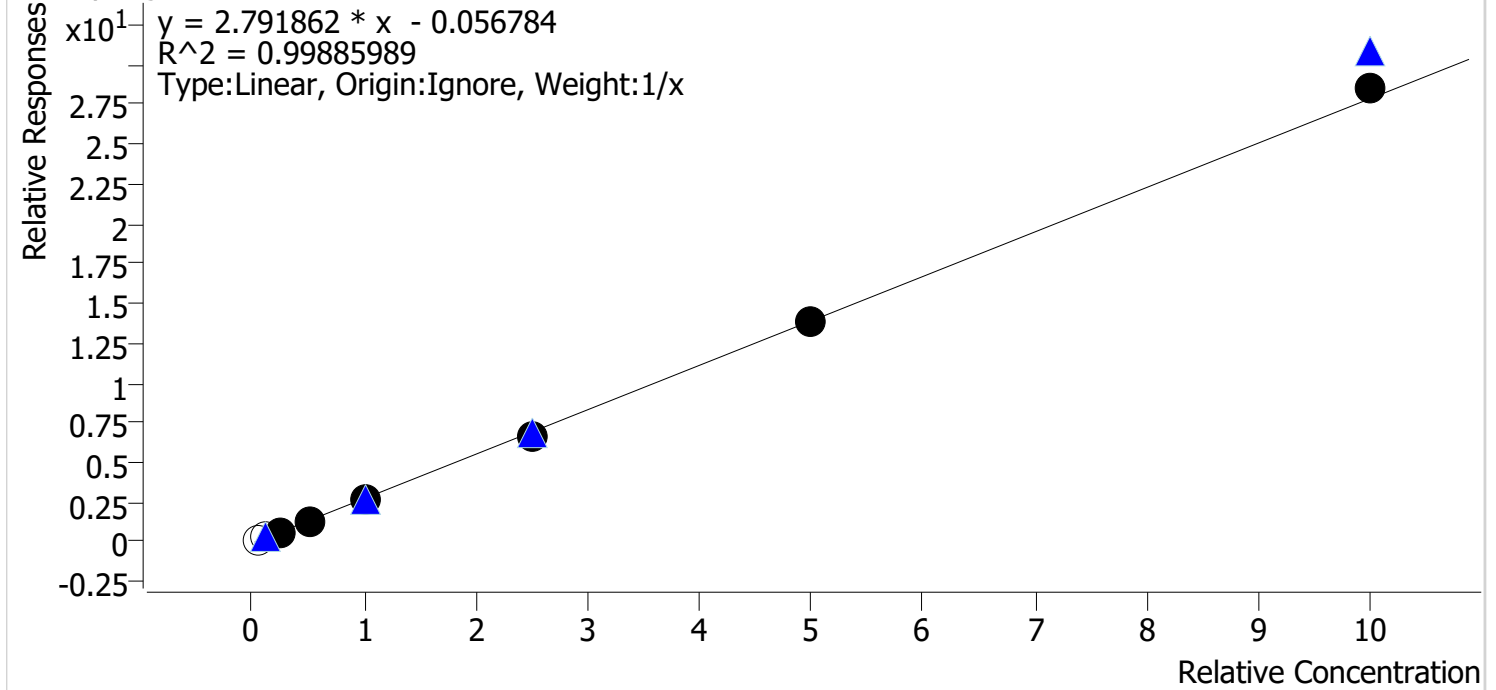
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.9
cal 2 mdq	2	✓	10.0	9.8	98.4
cal 3 mdq	3	✓	25.0	24.0	95.9
cal 4 mdq	4	✓	50.0	52.7	105.4
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	257.9	103.1
cal 7 mdq	7	✓	500.0	494.2	98.8
cal 8 mdq	8	✓	1000.0	953.4	95.3

# Compound Calibration Report

*Boyle*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Benzoylecgonine **Internal Standard** Benzoylecgonine-d8

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



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	x	5.0	7.5	150.6
cal 2 mdq	2	x	10.0	12.4	123.7
cal 3 mdq	3	✓	25.0	27.0	108.0
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	95.6	95.6
cal 6 mdq	6	✓	250.0	235.6	94.2
cal 7 mdq	7	✓	500.0	495.5	99.1
cal 8 mdq	8	✓	1000.0	1020.8	102.1

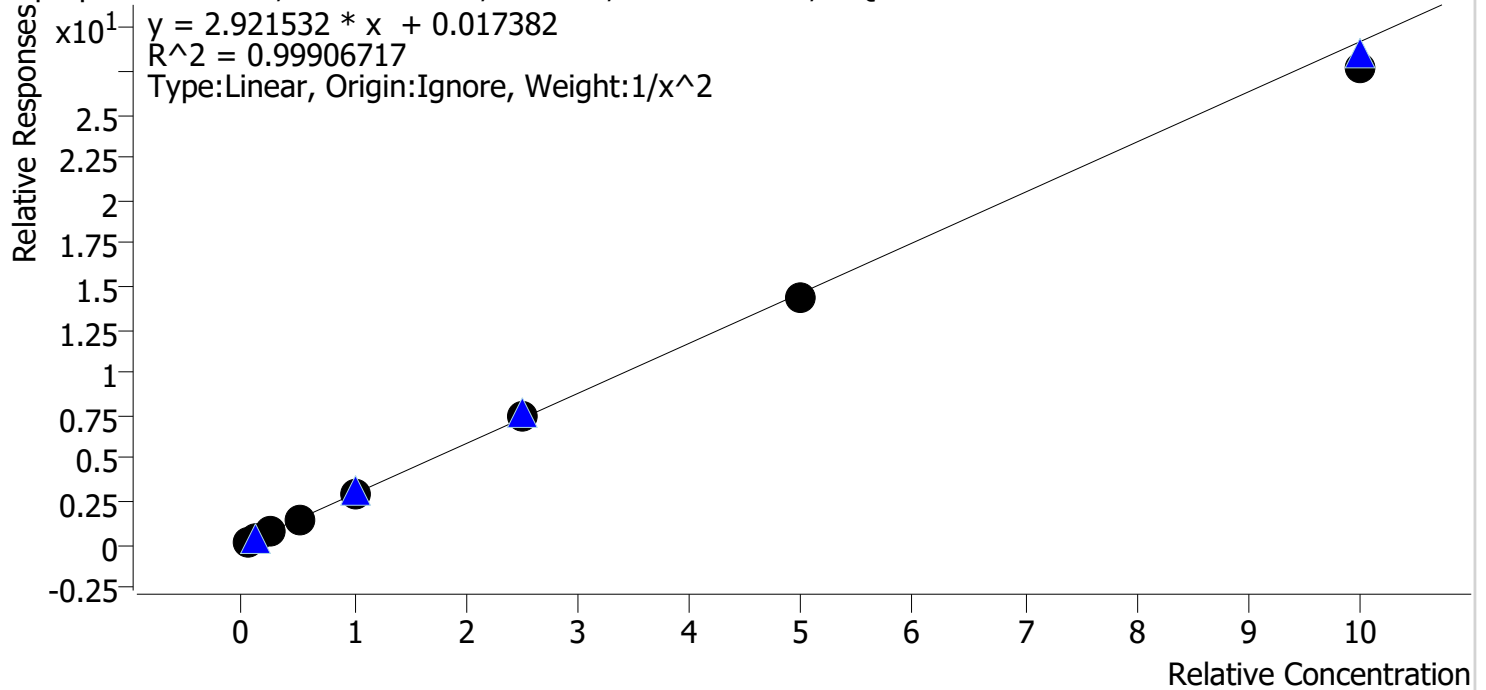


# Compound Calibration Report

*Byline*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Bupropion **Internal Standard** Bupropion-D9

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	99.0
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.5	101.9
cal 4 mdq	4	✓	50.0	51.0	102.0
cal 5 mdq	5	✓	100.0	101.7	101.7
cal 6 mdq	6	✓	250.0	254.7	101.9
cal 7 mdq	7	✓	500.0	491.9	98.4
cal 8 mdq	8	✓	1000.0	944.3	94.4



















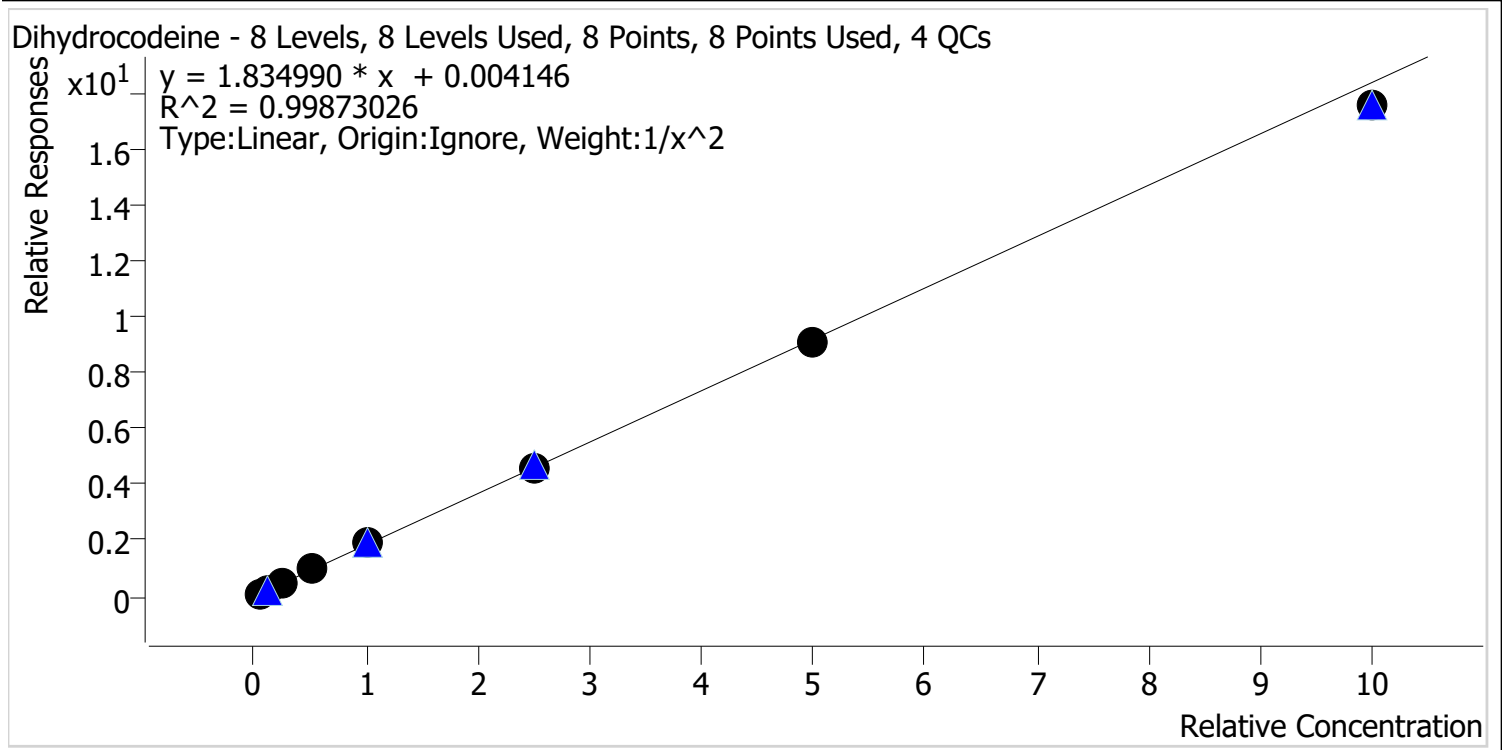




# Compound Calibration Report

*Byyle*

<b>Batch results</b>	D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	12/24/2020 7:17 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Dihydrocodeine	<b>Internal Standard</b>	Dihydrocodeine-D6



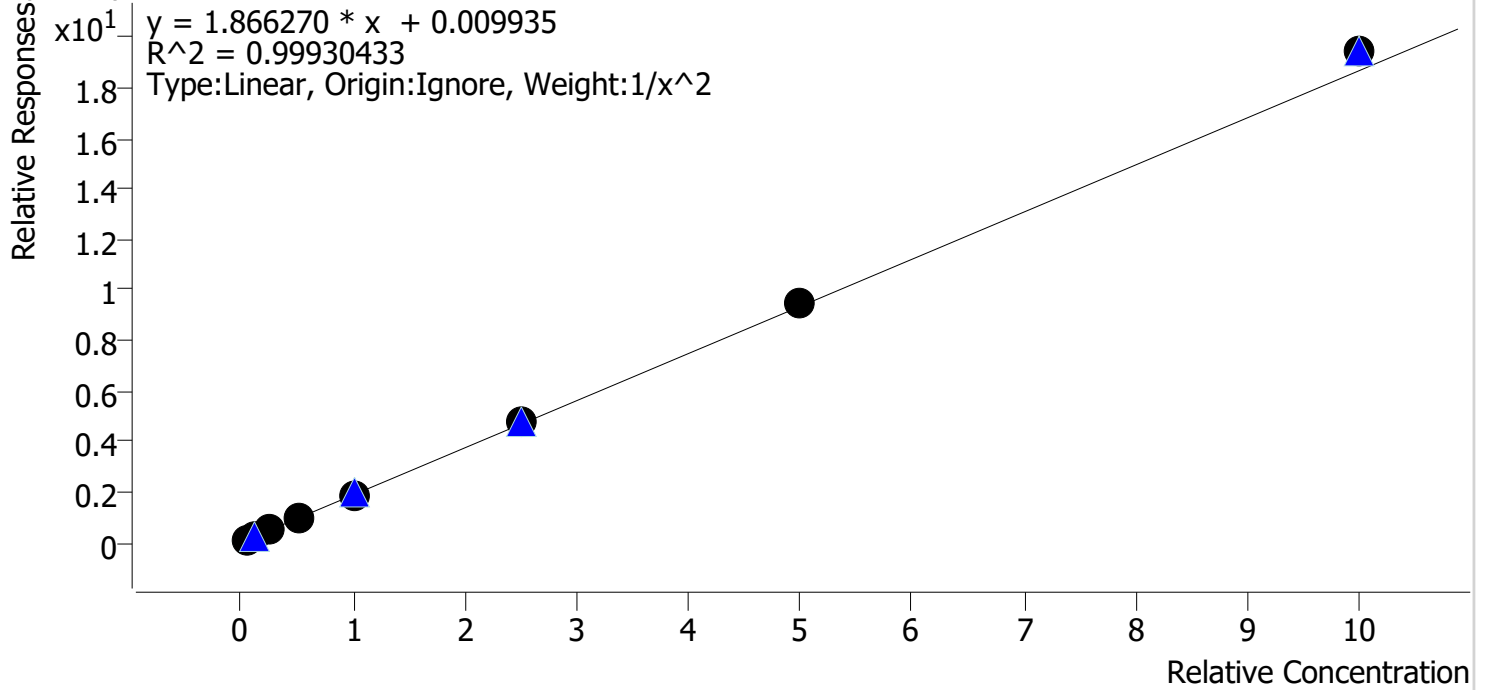
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.2	96.7
cal 4 mdq	4	✓	50.0	51.8	103.5
cal 5 mdq	5	✓	100.0	104.4	104.4
cal 6 mdq	6	✓	250.0	251.3	100.5
cal 7 mdq	7	✓	500.0	493.4	98.7
cal 8 mdq	8	✓	1000.0	954.9	95.5

# Compound Calibration Report

*Byline*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Diphenhydramine **Internal Standard** Diphenhydramine-D3

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



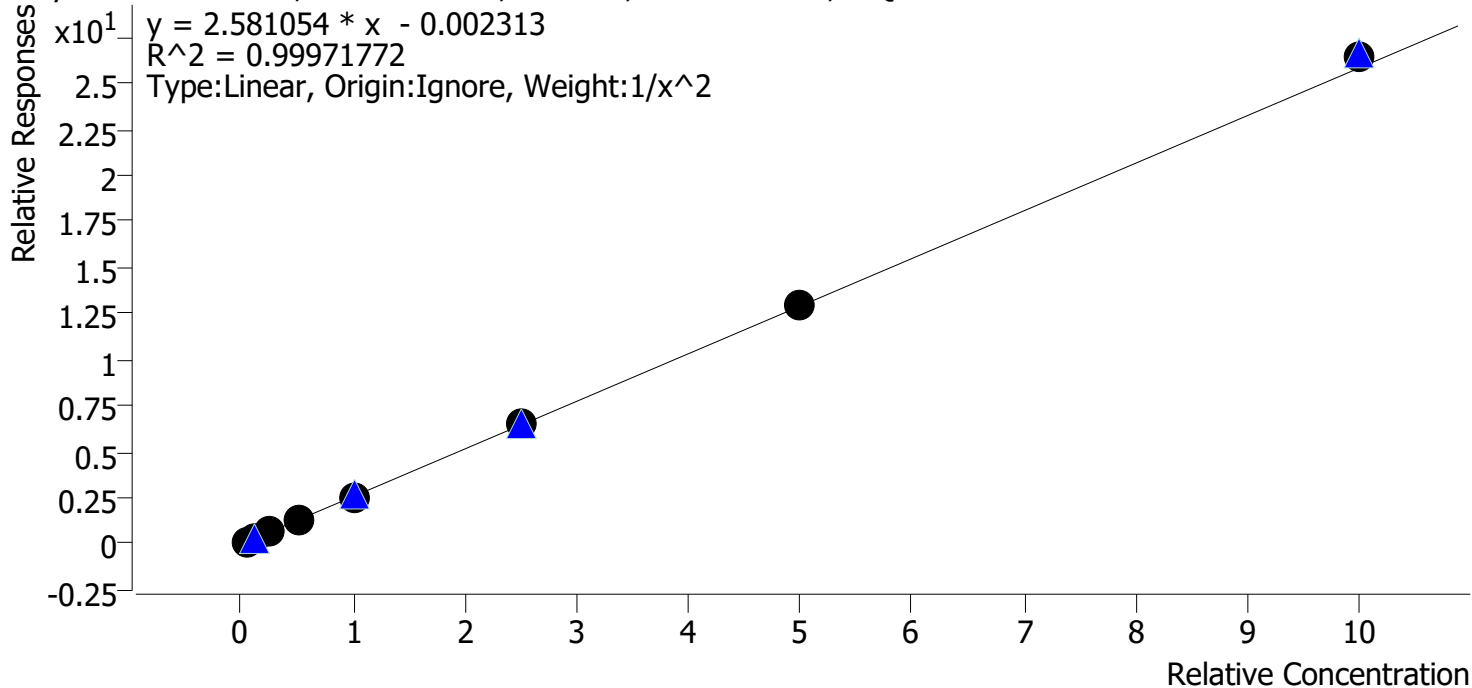
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.8
cal 2 mdq	2	✓	10.0	10.0	100.2
cal 3 mdq	3	✓	25.0	24.2	96.9
cal 4 mdq	4	✓	50.0	48.5	97.1
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	252.2	100.9
cal 7 mdq	7	✓	500.0	503.2	100.6
cal 8 mdq	8	✓	1000.0	1040.4	104.0

# Compound Calibration Report

*Boyle*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Doxylamine **Internal Standard** Doxylamine-D5

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	5.1	101.2
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	24.8	99.0
cal 4 mdq	4	✓	50.0	50.1	100.2
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	249.5	99.8
cal 7 mdq	7	✓	500.0	501.9	100.4
cal 8 mdq	8	✓	1000.0	1025.7	102.6



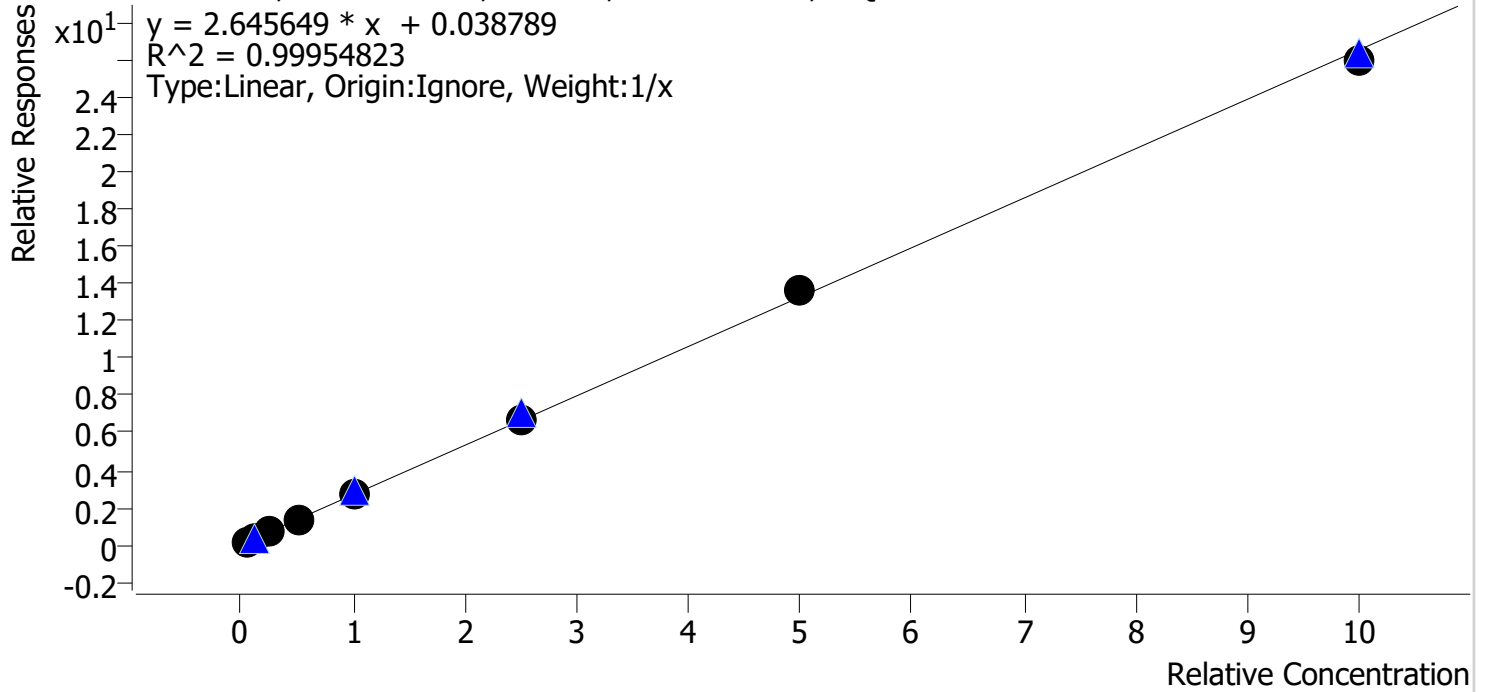


# Compound Calibration Report

*Byyle*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Fluoxetine **Internal Standard** Fluoxetine-D6

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



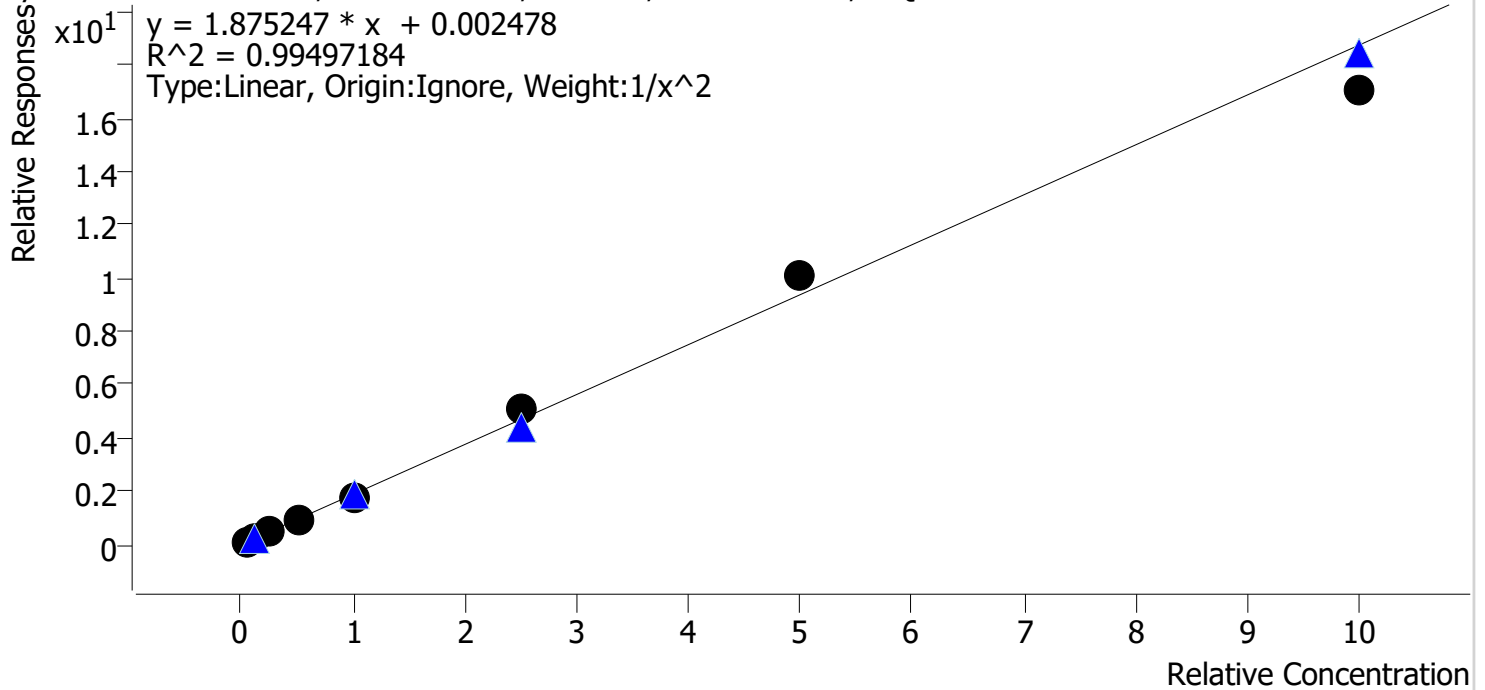
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.8	96.8
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	50.8	101.6
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	253.7	101.5
cal 7 mdq	7	✓	500.0	512.7	102.5
cal 8 mdq	8	✓	1000.0	981.2	98.1

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Hydrocodone **Internal Standard** Hydrocodone-D6

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	5.0	100.9
cal 2 mdq	2	✓	10.0	9.8	98.3
cal 3 mdq	3	✓	25.0	25.0	100.0
cal 4 mdq	4	✓	50.0	50.5	101.0
cal 5 mdq	5	✓	100.0	93.2	93.2
cal 6 mdq	6	✓	250.0	269.4	107.8
cal 7 mdq	7	✓	500.0	541.2	108.2
cal 8 mdq	8	✓	1000.0	906.8	90.7



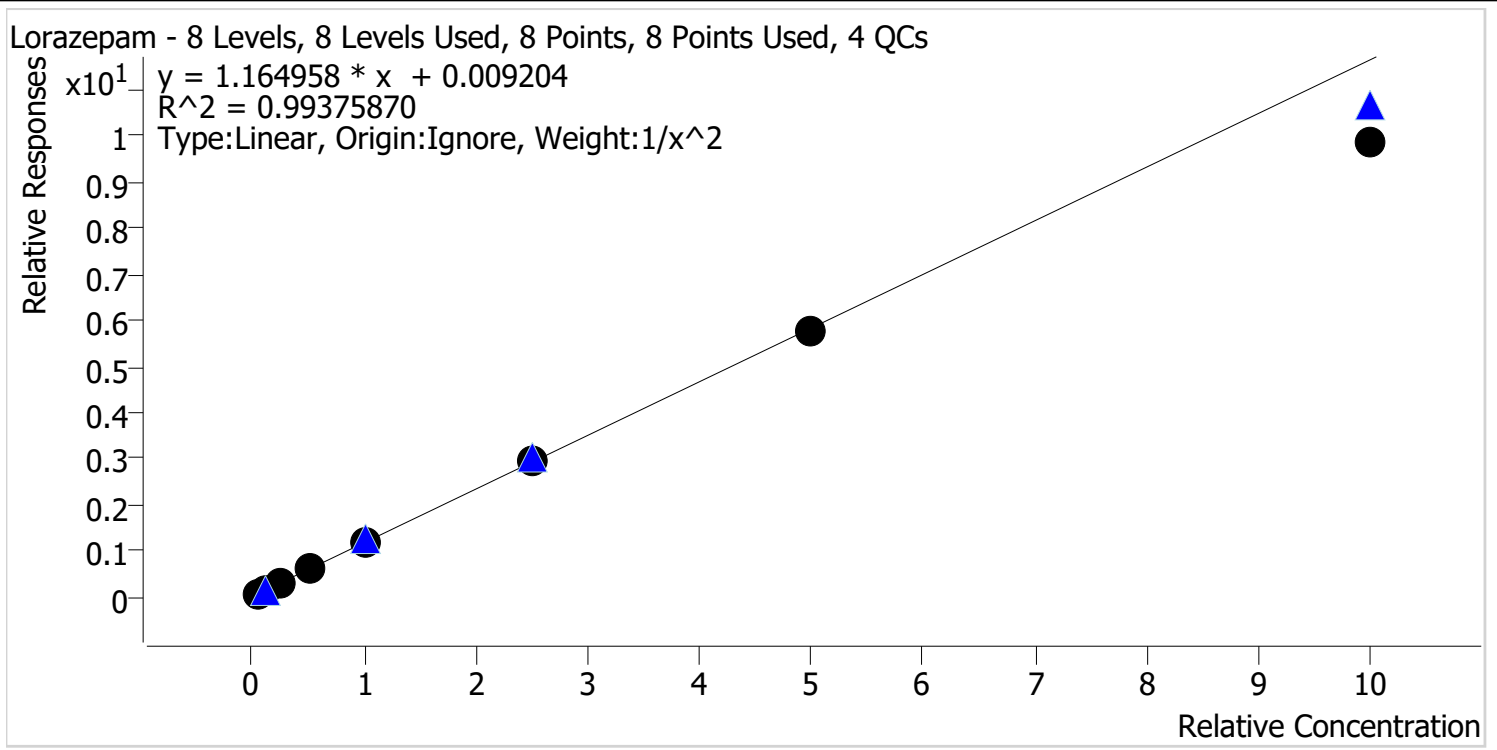




# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lorazepam **Internal Standard** Oxazepam-D5

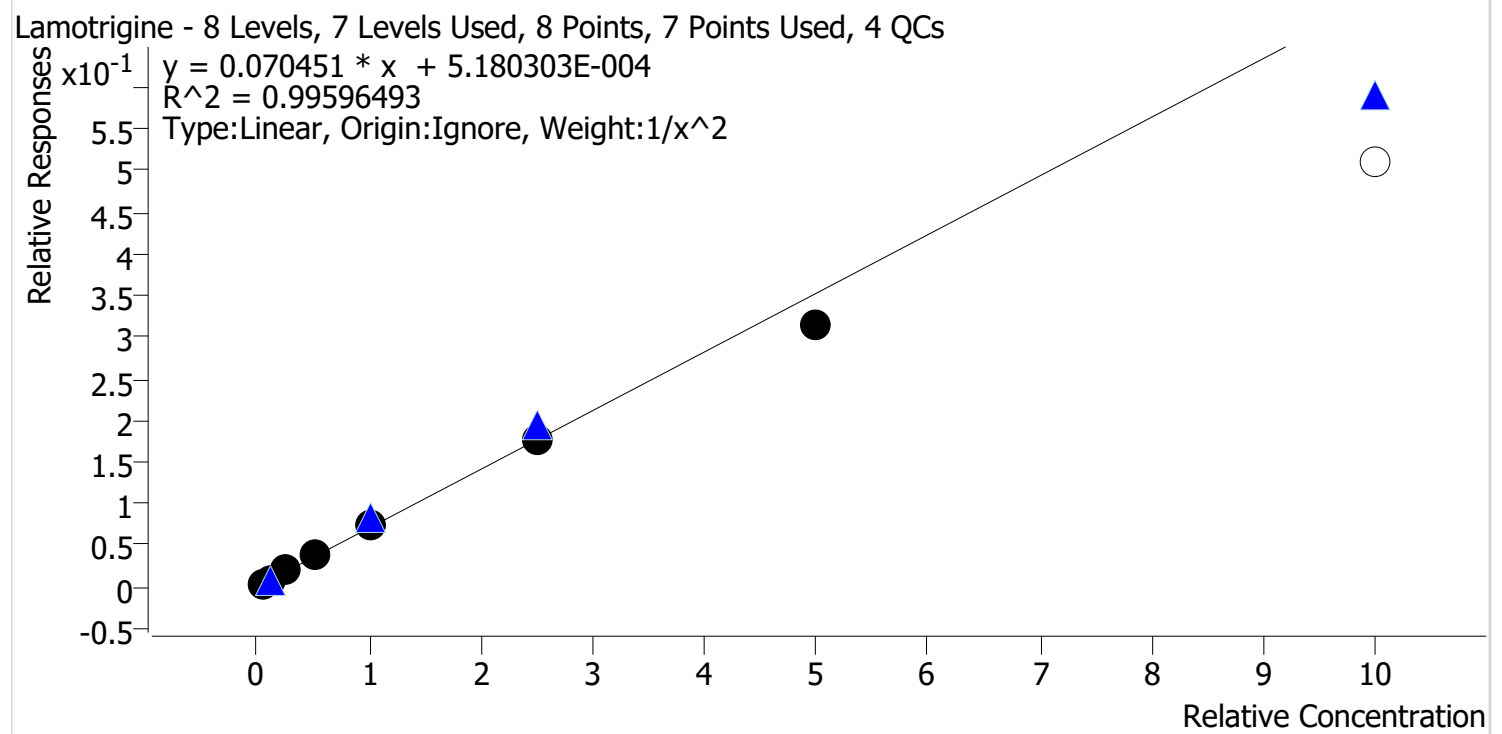


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.3
cal 2 mdq	2	✓	10.0	10.2	101.9
cal 3 mdq	3	✓	25.0	26.1	104.3
cal 4 mdq	4	✓	50.0	53.8	107.6
cal 5 mdq	5	✓	100.0	103.8	103.8
cal 6 mdq	6	✓	250.0	253.5	101.4
cal 7 mdq	7	✓	500.0	493.7	98.7
cal 8 mdq	8	✓	1000.0	849.6	85.0

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\lam 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Lamotrigine **Internal Standard** Zolpidem-D6



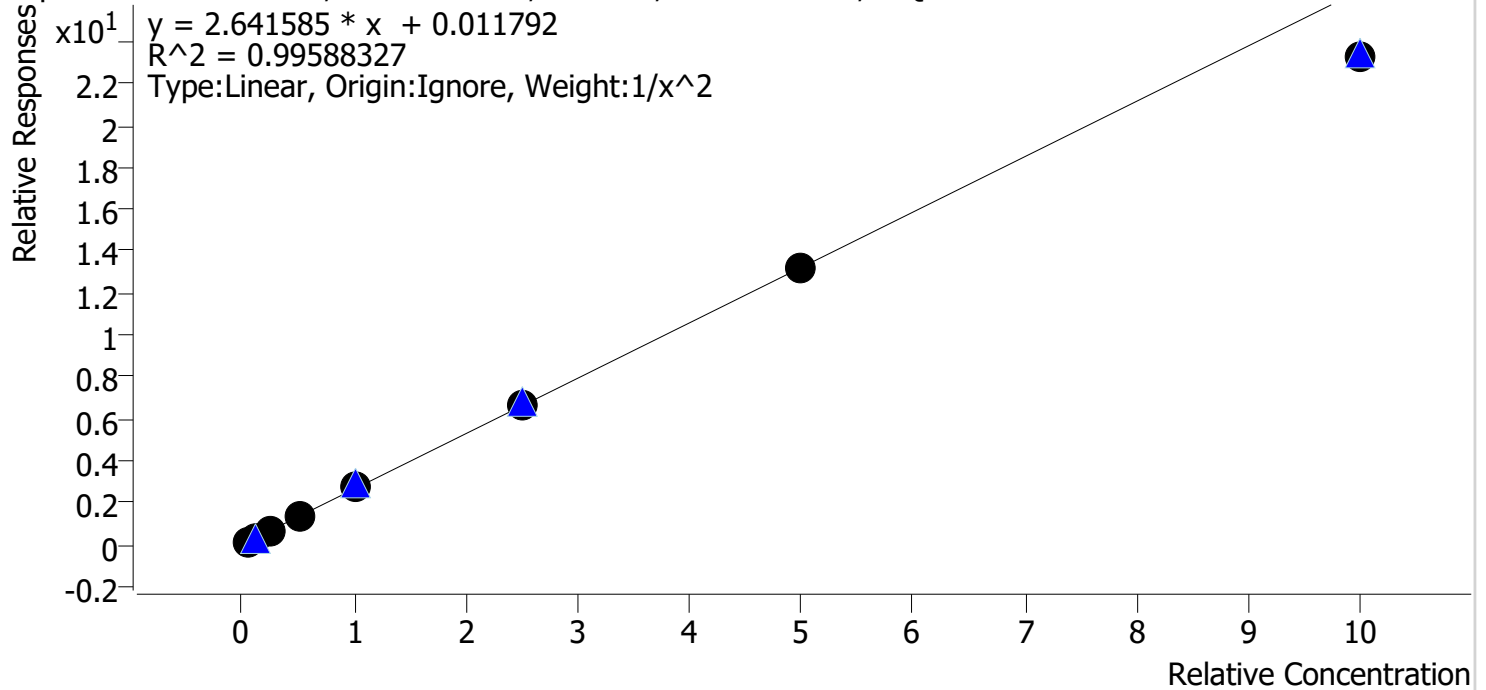
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	9.9	99.3
cal 3 mdq	3	✓	25.0	26.0	104.2
cal 4 mdq	4	✓	50.0	53.2	106.5
cal 5 mdq	5	✓	100.0	102.1	102.1
cal 6 mdq	6	✓	250.0	248.4	99.4
cal 7 mdq	7	✓	500.0	448.2	89.6
cal 8 mdq	8	x	1000.0	722.6	72.3

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Meprobamate **Internal Standard** Meprobamate-D7

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



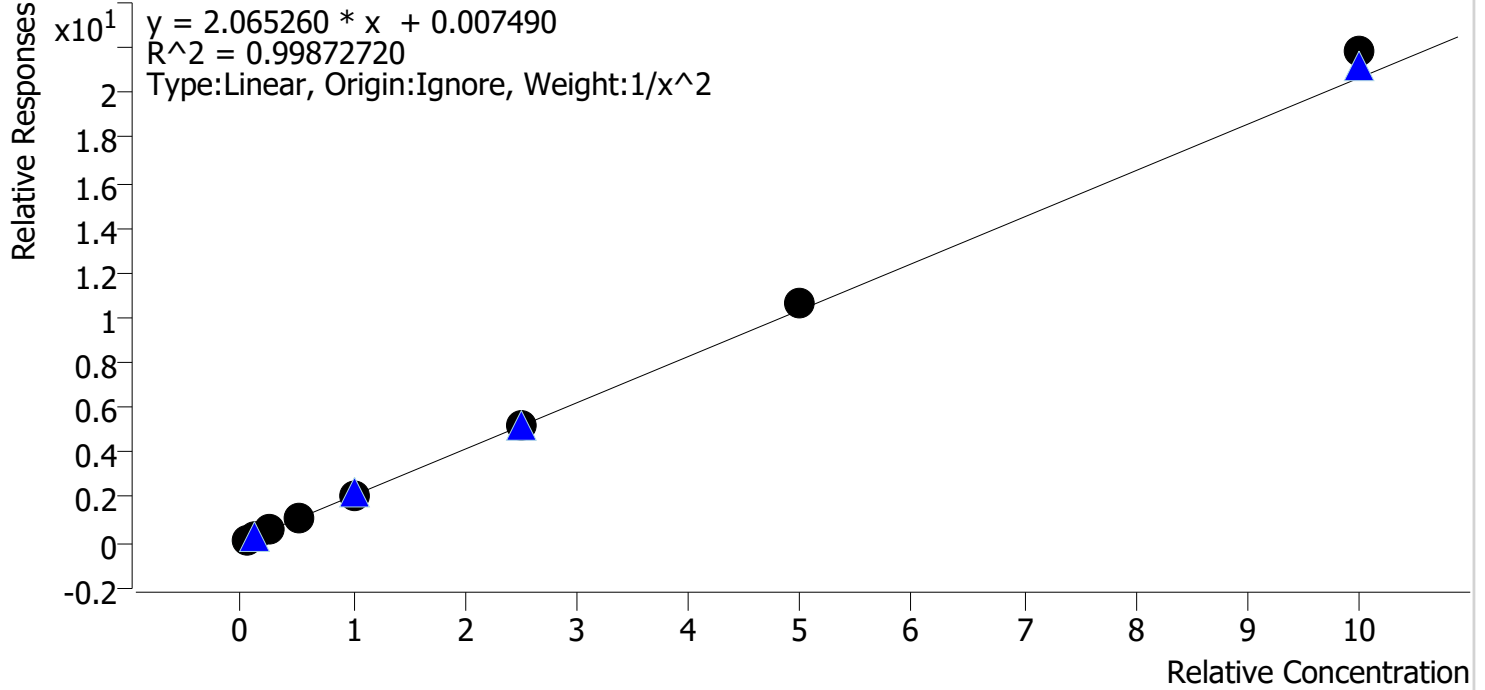
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	97.1
cal 2 mdq	2	✓	10.0	10.2	102.4
cal 3 mdq	3	✓	25.0	26.6	106.2
cal 4 mdq	4	✓	50.0	52.1	104.3
cal 5 mdq	5	✓	100.0	102.6	102.6
cal 6 mdq	6	✓	250.0	249.1	99.7
cal 7 mdq	7	✓	500.0	497.7	99.5
cal 8 mdq	8	✓	1000.0	881.9	88.2

# Compound Calibration Report

*Byline*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Methadone **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	5.0	100.5
cal 2 mdq	2	✓	10.0	10.1	101.2
cal 3 mdq	3	✓	25.0	24.0	96.1
cal 4 mdq	4	✓	50.0	48.8	97.7
cal 5 mdq	5	✓	100.0	97.3	97.3
cal 6 mdq	6	✓	250.0	248.1	99.2
cal 7 mdq	7	✓	500.0	511.4	102.3
cal 8 mdq	8	✓	1000.0	1056.7	105.7



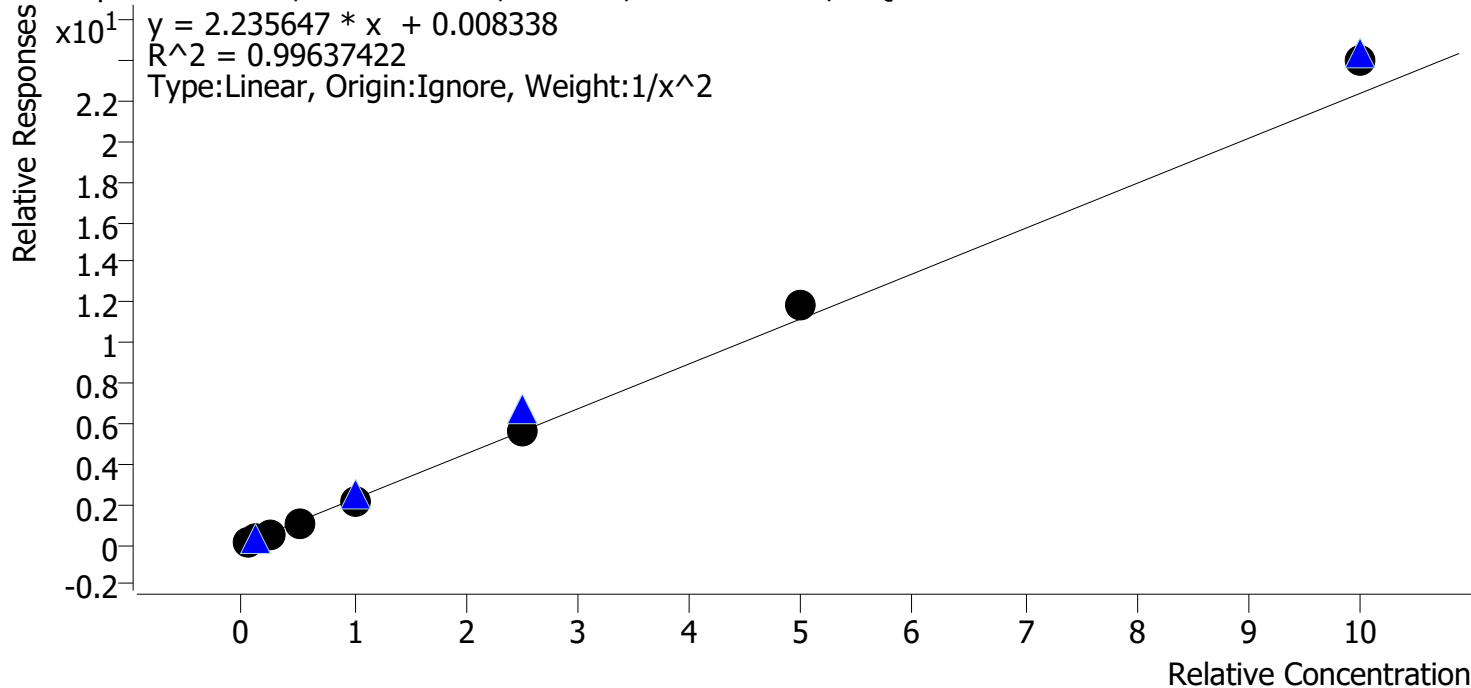


# Compound Calibration Report

*Byyle*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Mirtazapine **Internal Standard** Methadone-D9

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



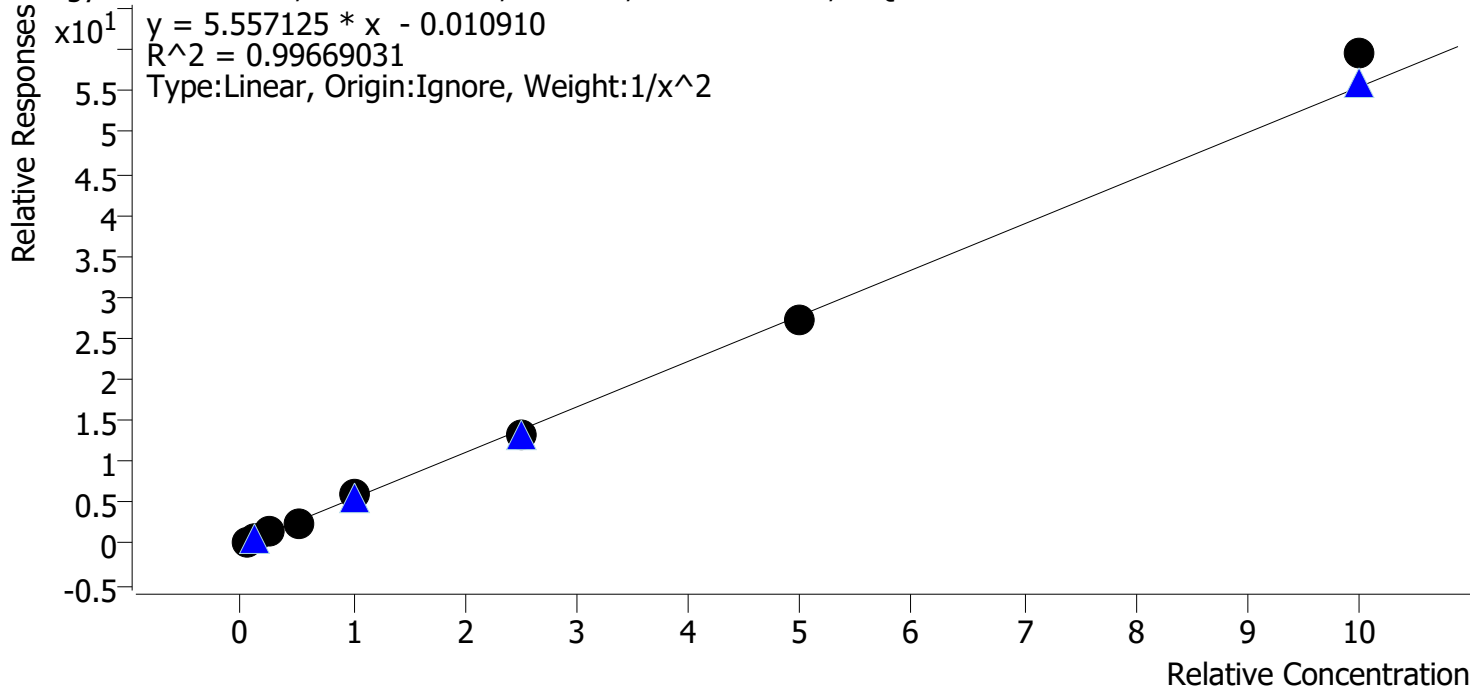
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.9
cal 2 mdq	2	✓	10.0	9.5	95.1
cal 3 mdq	3	✓	25.0	23.7	94.8
cal 4 mdq	4	✓	50.0	48.9	97.7
cal 5 mdq	5	✓	100.0	94.8	94.8
cal 6 mdq	6	✓	250.0	249.7	99.9
cal 7 mdq	7	✓	500.0	531.8	106.4
cal 8 mdq	8	✓	1000.0	1073.6	107.4



# Compound Calibration Report

<b>Batch results</b>	D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	12/24/2020 7:17 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Mitragynine	<b>Internal Standard</b>	Buprenorphine-D4

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



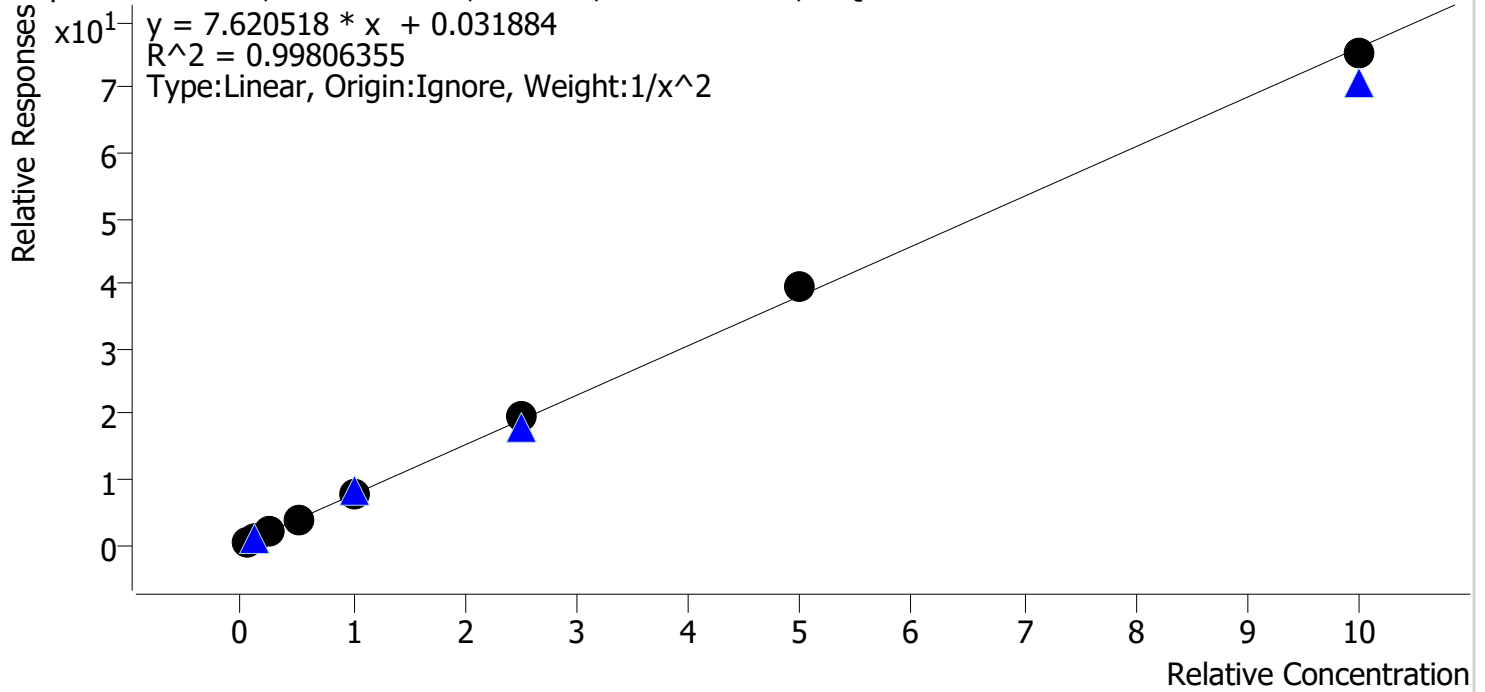
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.3
cal 2 mdq	2	✓	10.0	9.4	94.2
cal 3 mdq	3	✓	25.0	24.8	99.4
cal 4 mdq	4	✓	50.0	47.5	95.0
cal 5 mdq	5	✓	100.0	106.0	106.0
cal 6 mdq	6	✓	250.0	240.3	96.1
cal 7 mdq	7	✓	500.0	493.5	98.7
cal 8 mdq	8	✓	1000.0	1072.9	107.3

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Morphine **Internal Standard** Morphine-D6

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



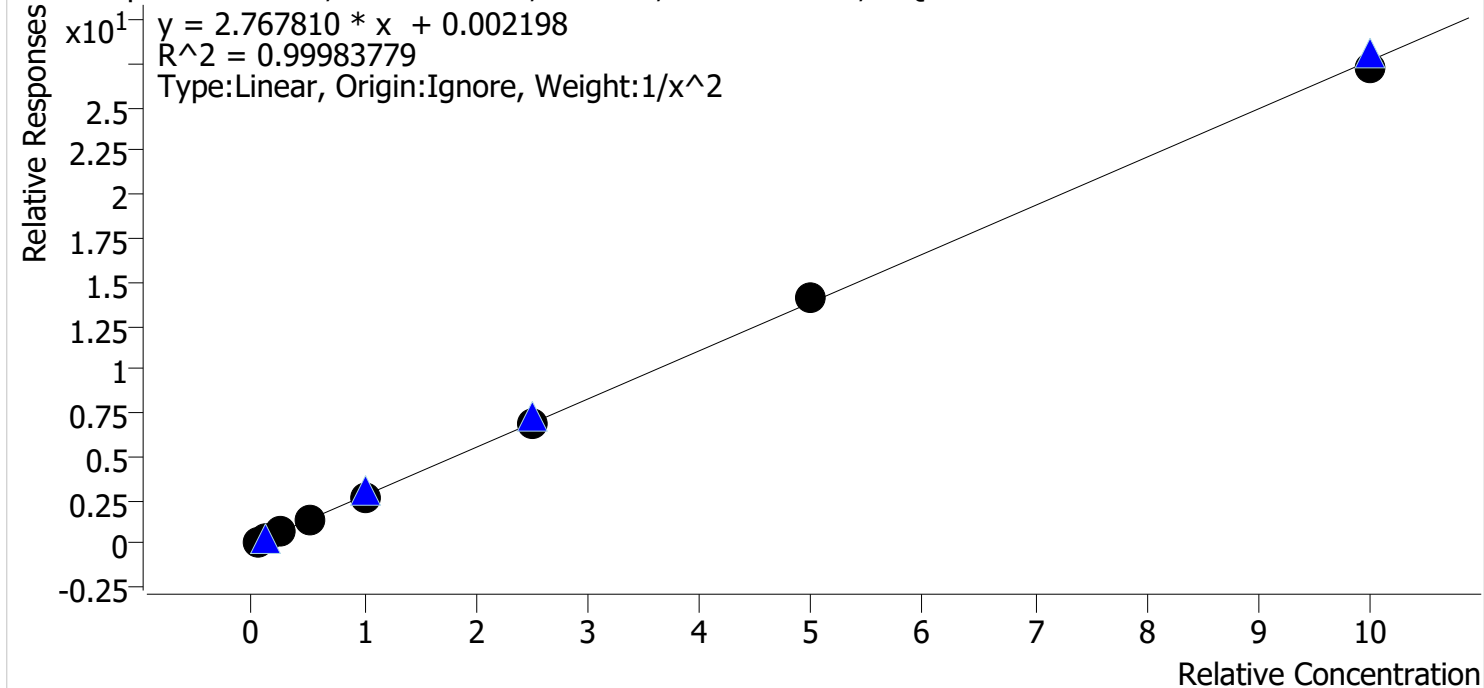
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.2	103.1
cal 2 mdq	2	✓	10.0	9.6	95.7
cal 3 mdq	3	✓	25.0	24.0	95.8
cal 4 mdq	4	✓	50.0	47.9	95.9
cal 5 mdq	5	✓	100.0	103.5	103.5
cal 6 mdq	6	✓	250.0	259.1	103.6
cal 7 mdq	7	✓	500.0	517.7	103.5
cal 8 mdq	8	✓	1000.0	987.7	98.8

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Nordiazepam **Internal Standard** Nordiazepam-D5

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



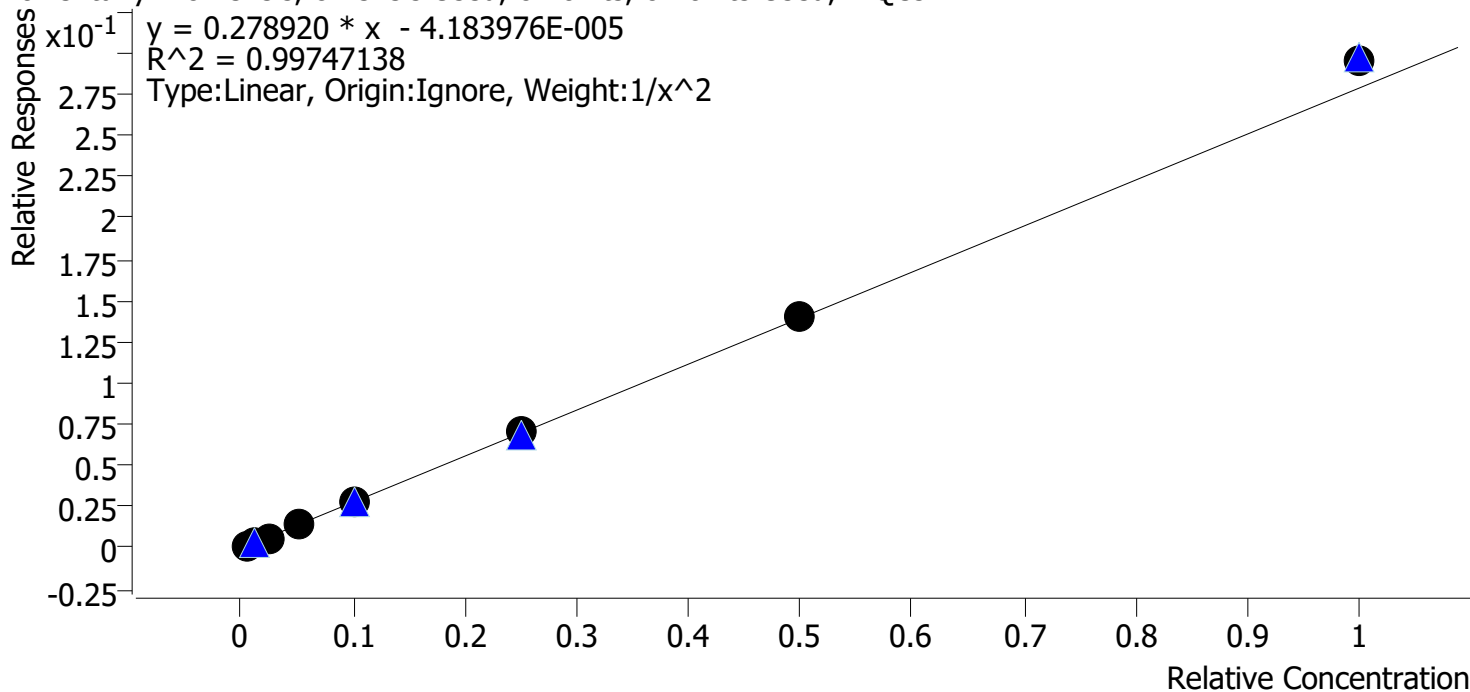
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.5
cal 2 mdq	2	✓	10.0	10.1	101.1
cal 3 mdq	3	✓	25.0	24.8	99.2
cal 4 mdq	4	✓	50.0	50.4	100.8
cal 5 mdq	5	✓	100.0	98.7	98.7
cal 6 mdq	6	✓	250.0	251.5	100.6
cal 7 mdq	7	✓	500.0	506.7	101.3
cal 8 mdq	8	✓	1000.0	985.6	98.6

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Norfentanyl **Internal Standard** Norfentanyl-D5

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



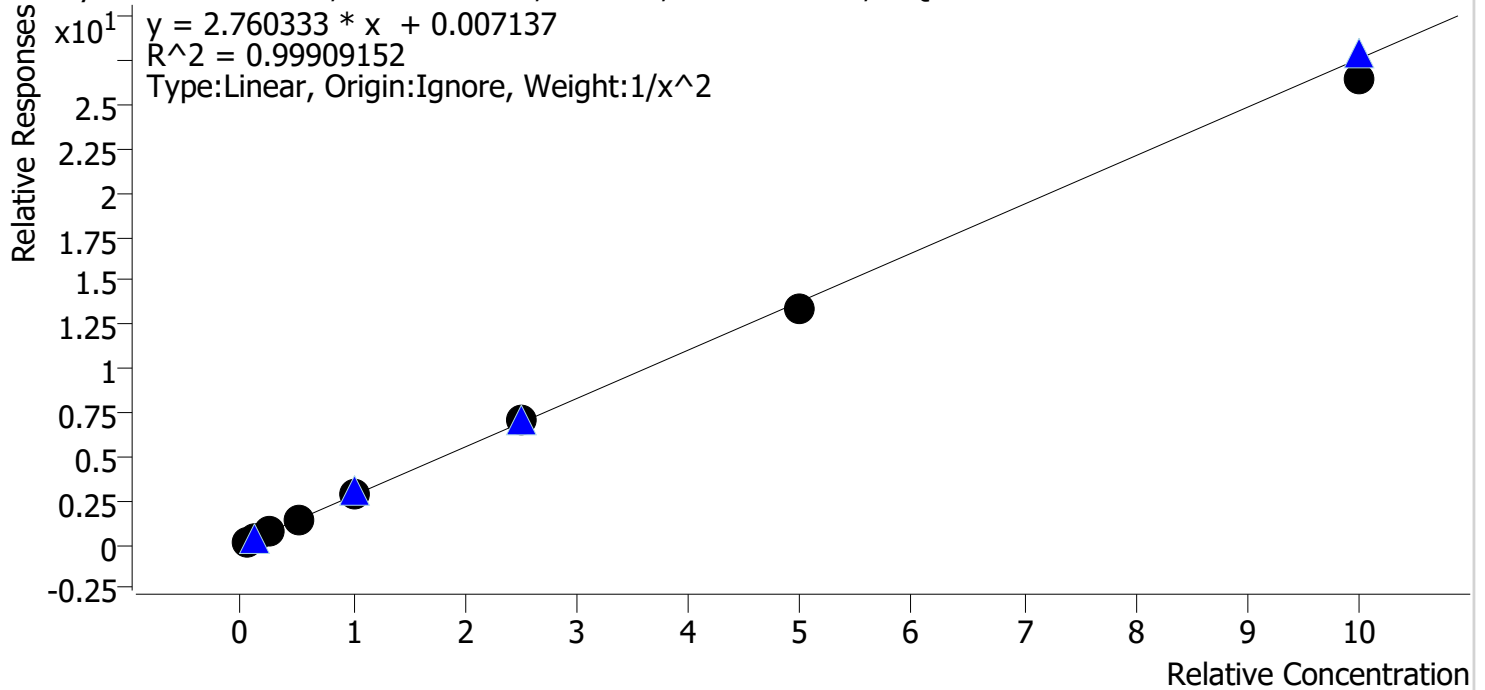
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	0.5	0.5	103.9
cal 2 mdq	2	✓	1.0	0.9	94.3
cal 3 mdq	3	✓	2.5	2.4	94.3
cal 4 mdq	4	✓	5.0	5.1	102.3
cal 5 mdq	5	✓	10.0	9.7	96.9
cal 6 mdq	6	✓	25.0	25.2	100.8
cal 7 mdq	7	✓	50.0	50.7	101.5
cal 8 mdq	8	✓	100.0	106.0	106.0

# Compound Calibration Report

*Bylye*

<b>Batch results</b>	D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	12/24/2020 7:17 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Noroxycodone	<b>Internal Standard</b>	Noroxycodone-D3

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

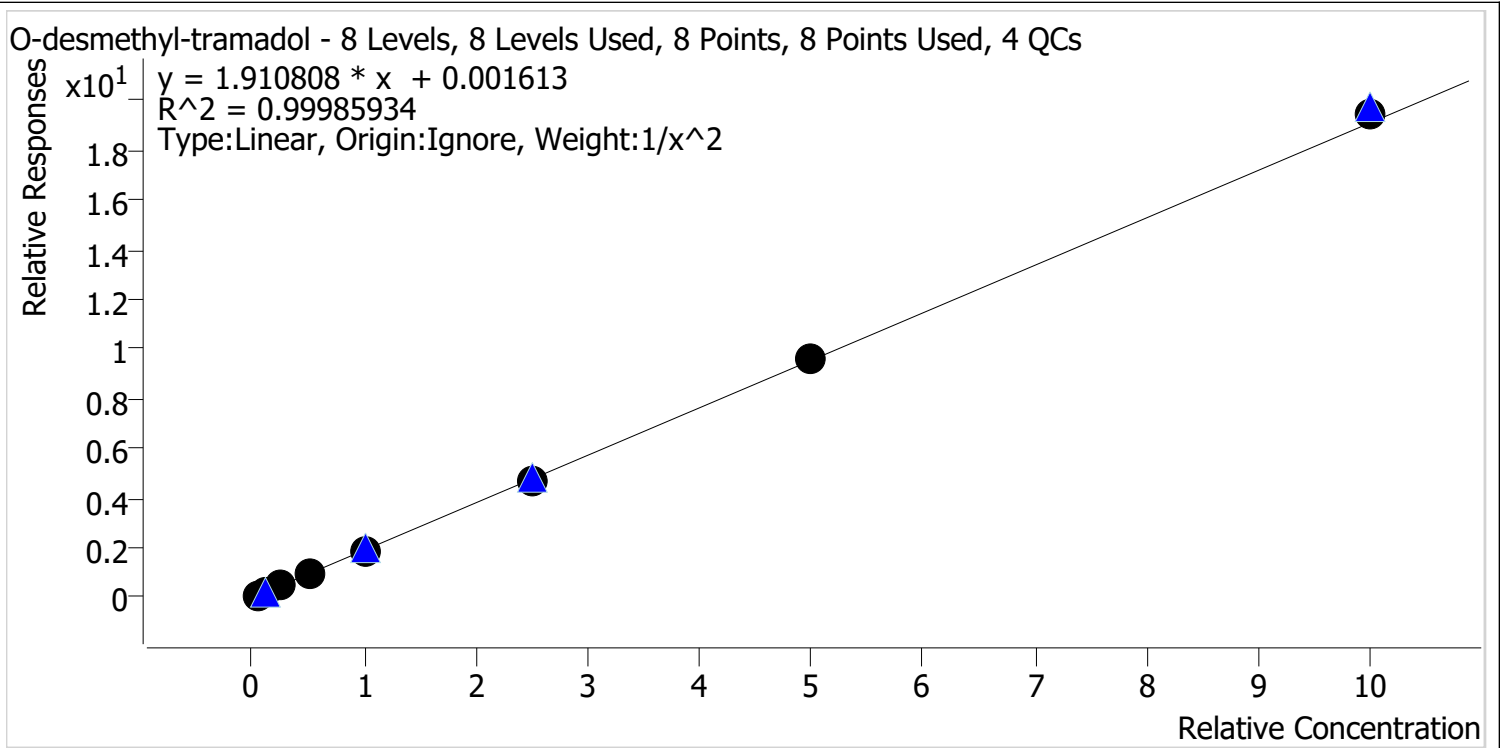


Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.2
cal 2 mdq	2	✓	10.0	10.0	100.0
cal 3 mdq	3	✓	25.0	25.4	101.6
cal 4 mdq	4	✓	50.0	52.2	104.5
cal 5 mdq	5	✓	100.0	100.3	100.3
cal 6 mdq	6	✓	250.0	252.3	100.9
cal 7 mdq	7	✓	500.0	488.4	97.7
cal 8 mdq	8	✓	1000.0	957.4	95.7

# Compound Calibration Report

*Bylye*

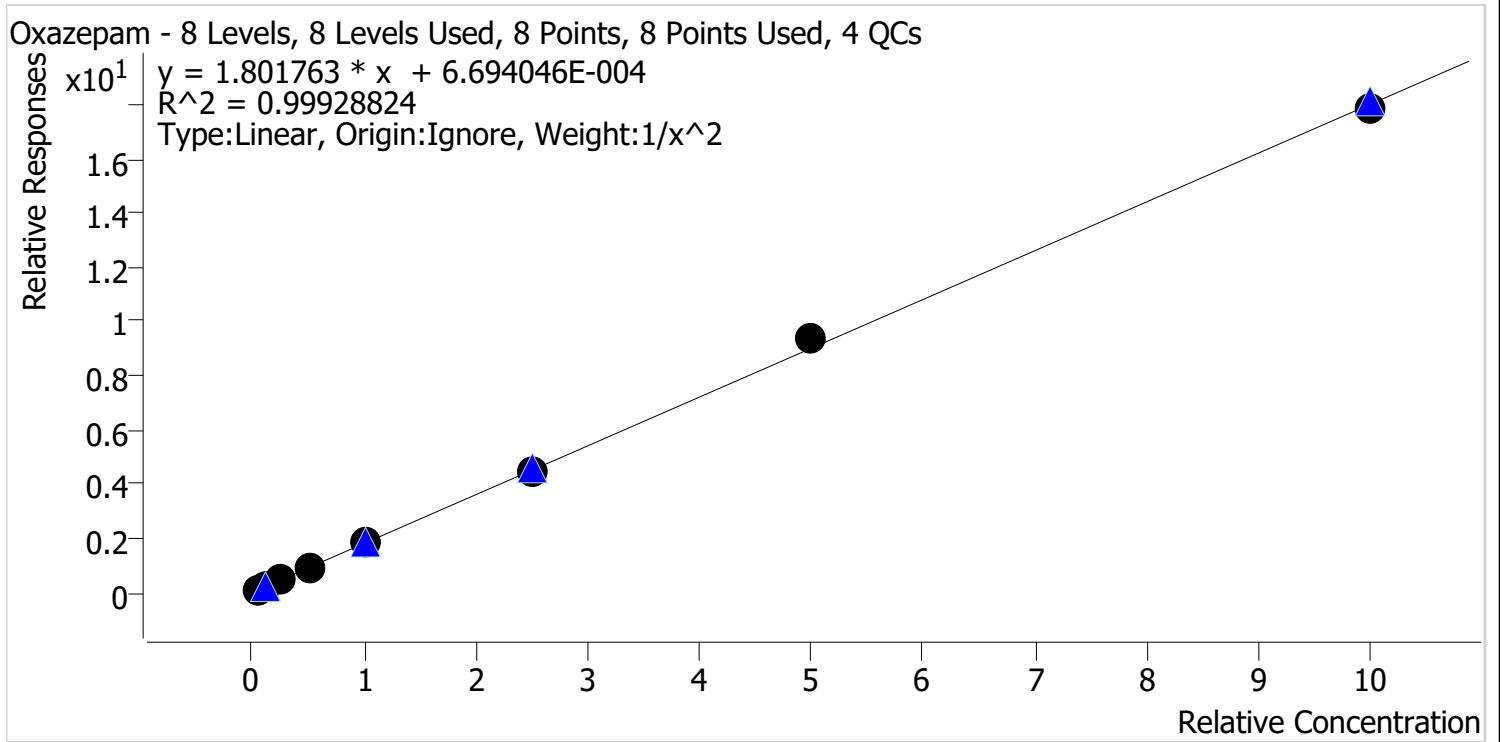
<b>Batch results</b>	D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	12/24/2020 7:17 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	O-desmethyl-tramadol	<b>Internal Standard</b>	O-desmethyl-tramadol-D6



Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.4
cal 2 mdq	2	✓	10.0	10.0	99.9
cal 3 mdq	3	✓	25.0	24.6	98.5
cal 4 mdq	4	✓	50.0	50.1	100.1
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	249.3	99.7
cal 7 mdq	7	✓	500.0	500.7	100.1
cal 8 mdq	8	✓	1000.0	1020.6	102.1

# Compound Calibration Report

**Batch results** D:\MassHunter\Data\2020 Data\lam 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxazepam **Internal Standard** Oxazepam-D5



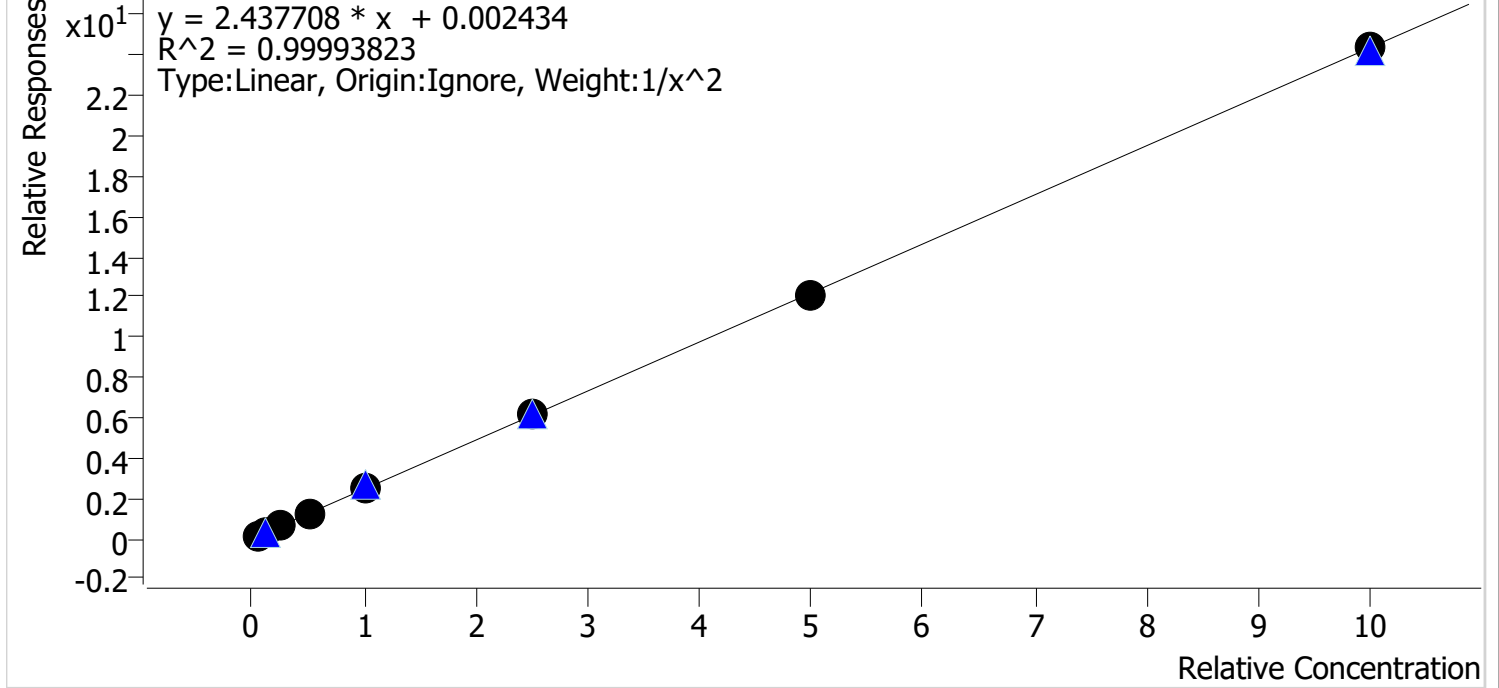
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	102.0
cal 2 mdq	2	✓	10.0	9.6	96.3
cal 3 mdq	3	✓	25.0	24.7	98.7
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	99.5	99.5
cal 6 mdq	6	✓	250.0	247.2	98.9
cal 7 mdq	7	✓	500.0	518.8	103.8
cal 8 mdq	8	✓	1000.0	995.4	99.5

# Compound Calibration Report

*Boyle*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Oxycodone **Internal Standard** Oxycodone-D6

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



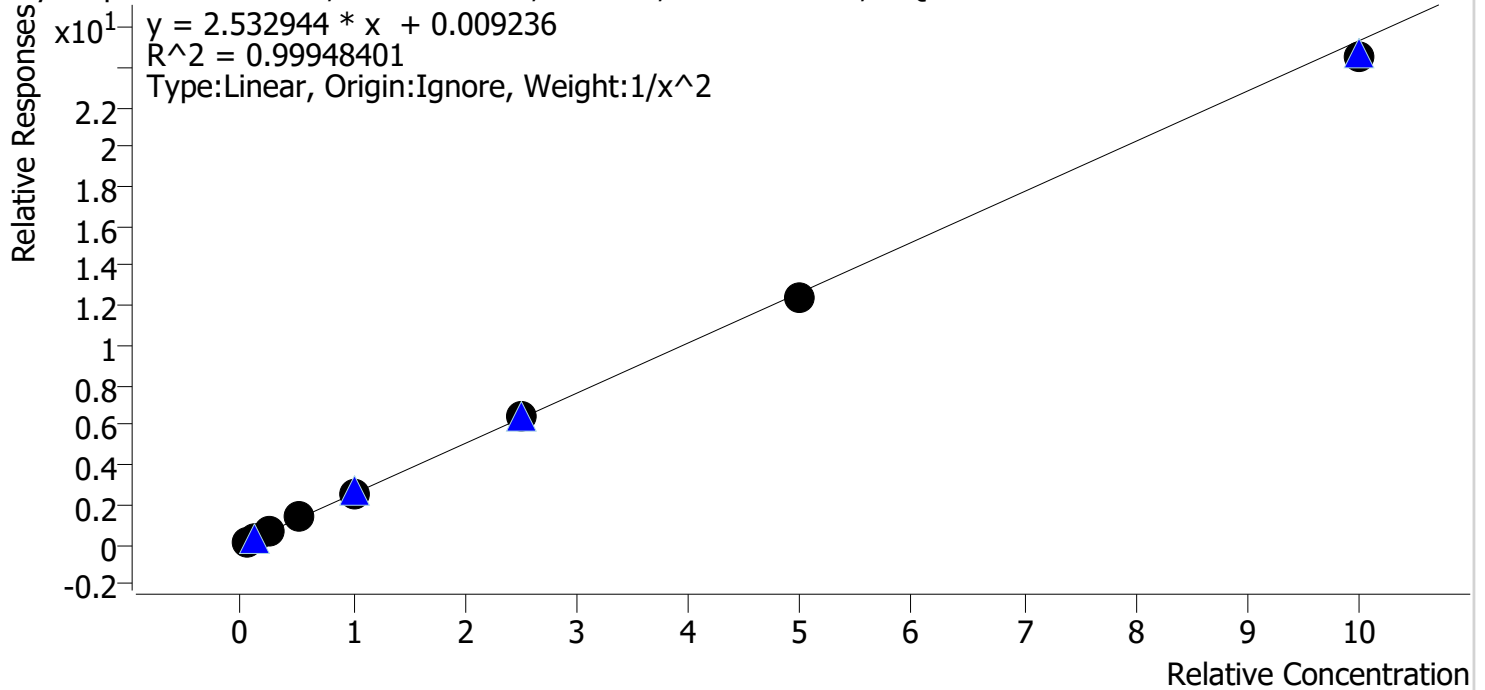
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	99.8
cal 2 mdq	2	✓	10.0	10.0	100.4
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	50.3	100.6
cal 5 mdq	5	✓	100.0	99.4	99.4
cal 6 mdq	6	✓	250.0	252.6	101.0
cal 7 mdq	7	✓	500.0	494.6	98.9
cal 8 mdq	8	✓	1000.0	1000.1	100.0



# Compound Calibration Report

<b>Batch results</b>	D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin		
<b>Last Cal. Update</b>	12/24/2020 7:17 AM		
<b>Analyst Name</b>	ISP\datastor		
<b>Analyte</b>	Oxymorphone	<b>Internal Standard</b>	Oxymorphone-D3

Oxymorphone - 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	99.3
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	25.0	99.9
cal 4 mdq	4	✓	50.0	51.8	103.6
cal 5 mdq	5	✓	100.0	100.8	100.8
cal 6 mdq	6	✓	250.0	251.2	100.5
cal 7 mdq	7	✓	500.0	491.1	98.2
cal 8 mdq	8	✓	1000.0	969.8	97.0

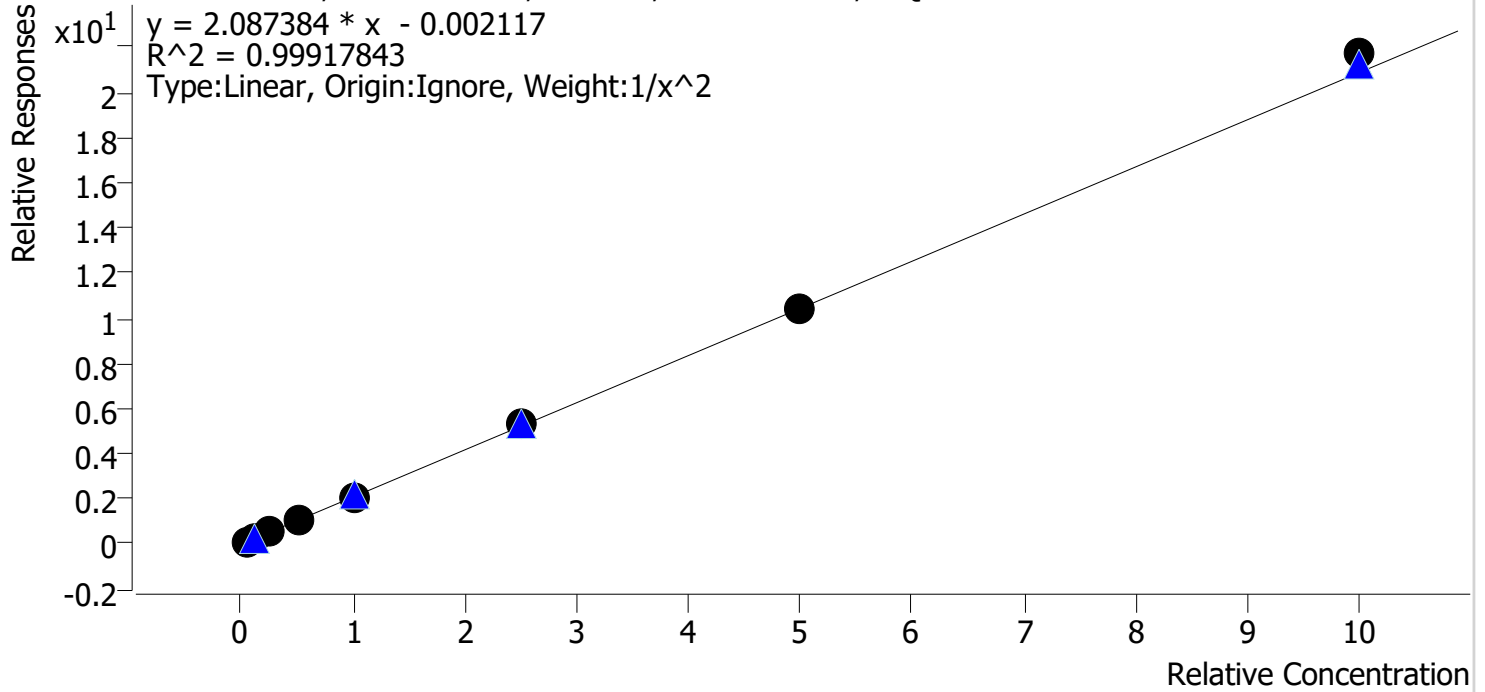


# Compound Calibration Report

*Byline*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Promethazine **Internal Standard** Promethazine-D3

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



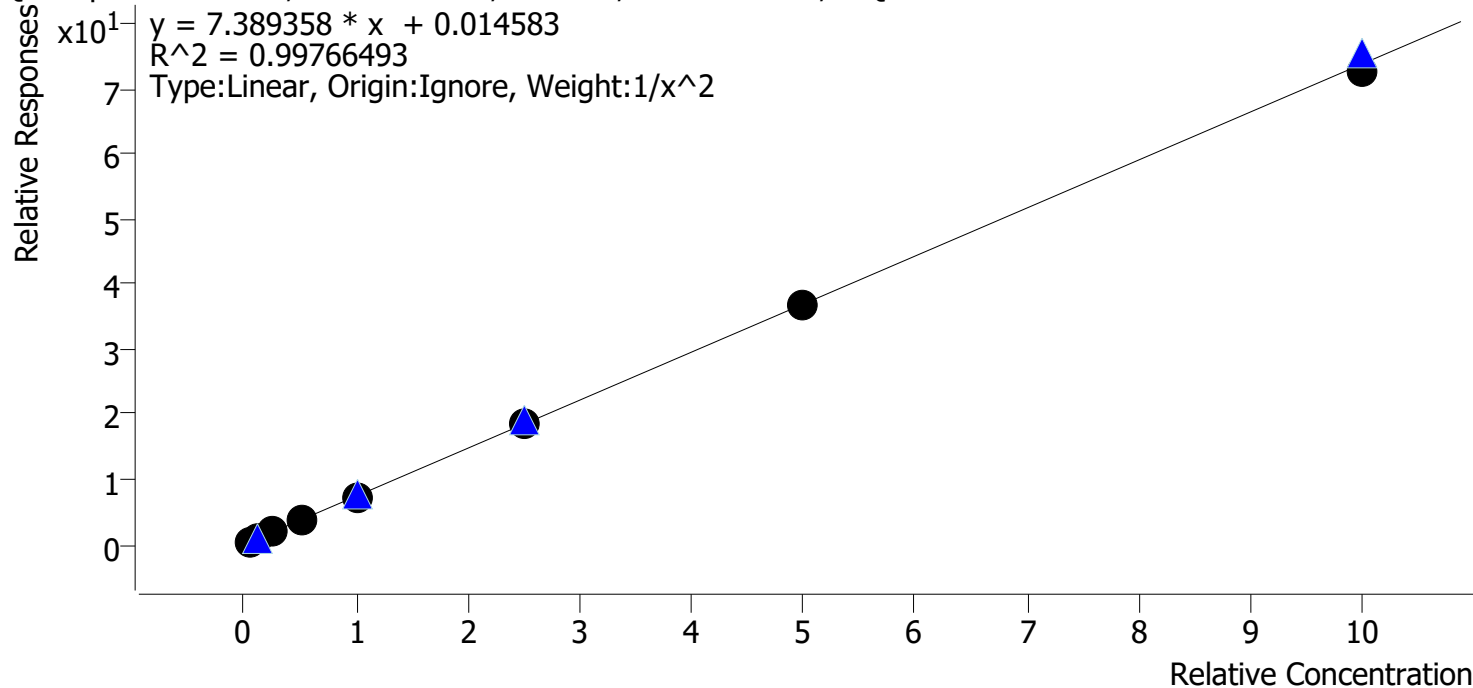
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.1	101.9
cal 2 mdq	2	✓	10.0	9.8	98.0
cal 3 mdq	3	✓	25.0	24.0	96.1
cal 4 mdq	4	✓	50.0	49.2	98.3
cal 5 mdq	5	✓	100.0	99.9	99.9
cal 6 mdq	6	✓	250.0	253.0	101.2
cal 7 mdq	7	✓	500.0	502.7	100.5
cal 8 mdq	8	✓	1000.0	1040.4	104.0

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Quetiapine **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	5.2	103.1
cal 2 mdq	2	✓	10.0	9.1	91.3
cal 3 mdq	3	✓	25.0	26.1	104.4
cal 4 mdq	4	✓	50.0	52.0	103.9
cal 5 mdq	5	✓	100.0	98.8	98.8
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	498.3	99.7
cal 8 mdq	8	✓	1000.0	985.3	98.5









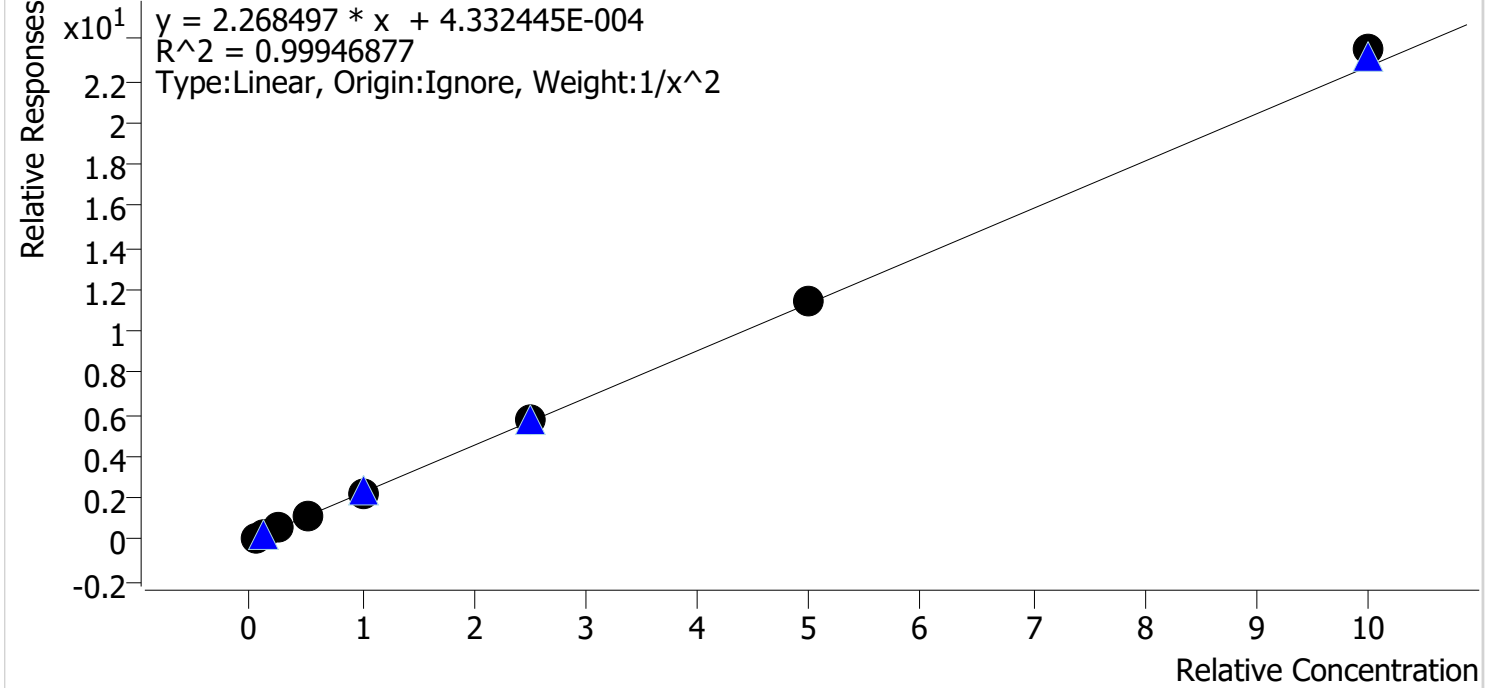


# Compound Calibration Report

*Byline*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** Zolpidem **Internal Standard** Zolpidem-D6

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



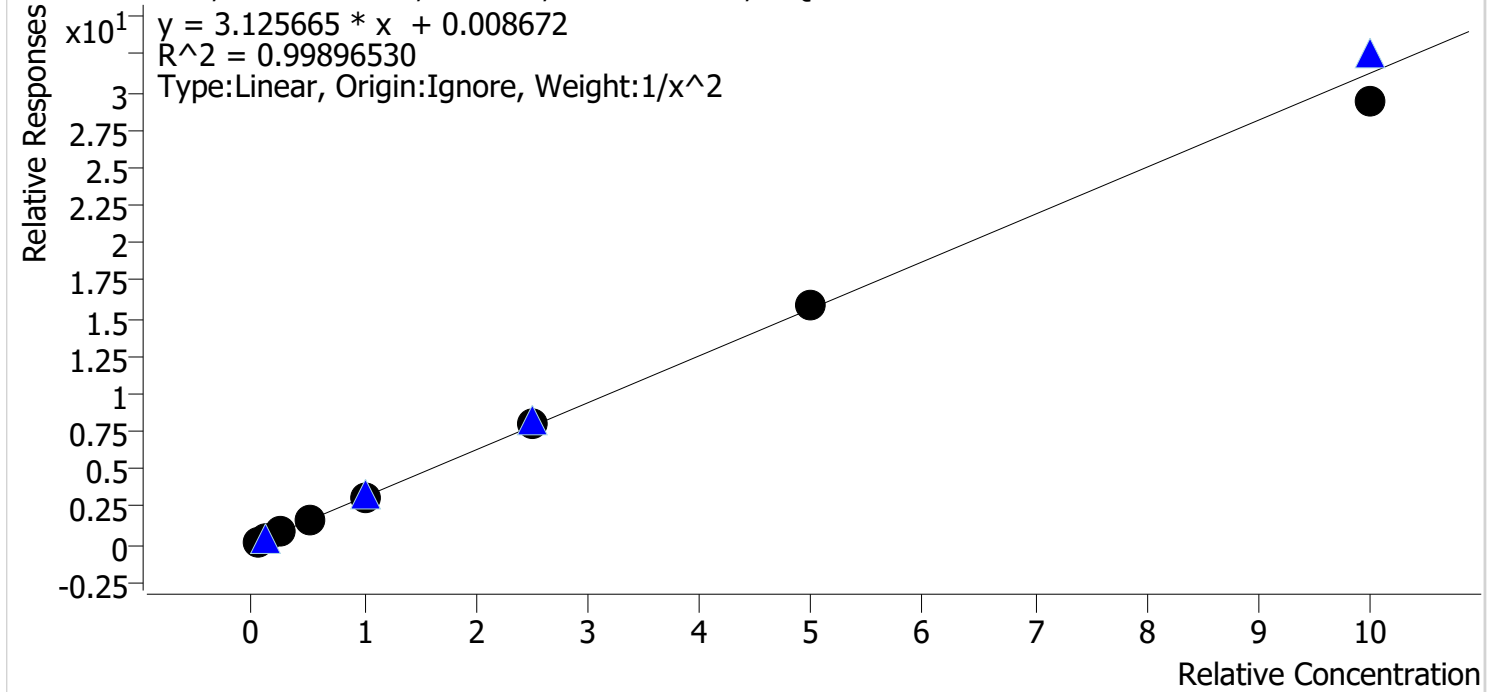
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.3
cal 2 mdq	2	✓	10.0	10.1	100.7
cal 3 mdq	3	✓	25.0	24.3	97.3
cal 4 mdq	4	✓	50.0	49.8	99.6
cal 5 mdq	5	✓	100.0	97.4	97.4
cal 6 mdq	6	✓	250.0	250.7	100.3
cal 7 mdq	7	✓	500.0	503.9	100.8
cal 8 mdq	8	✓	1000.0	1035.8	103.6

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDA **Internal Standard** MDA-D5

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



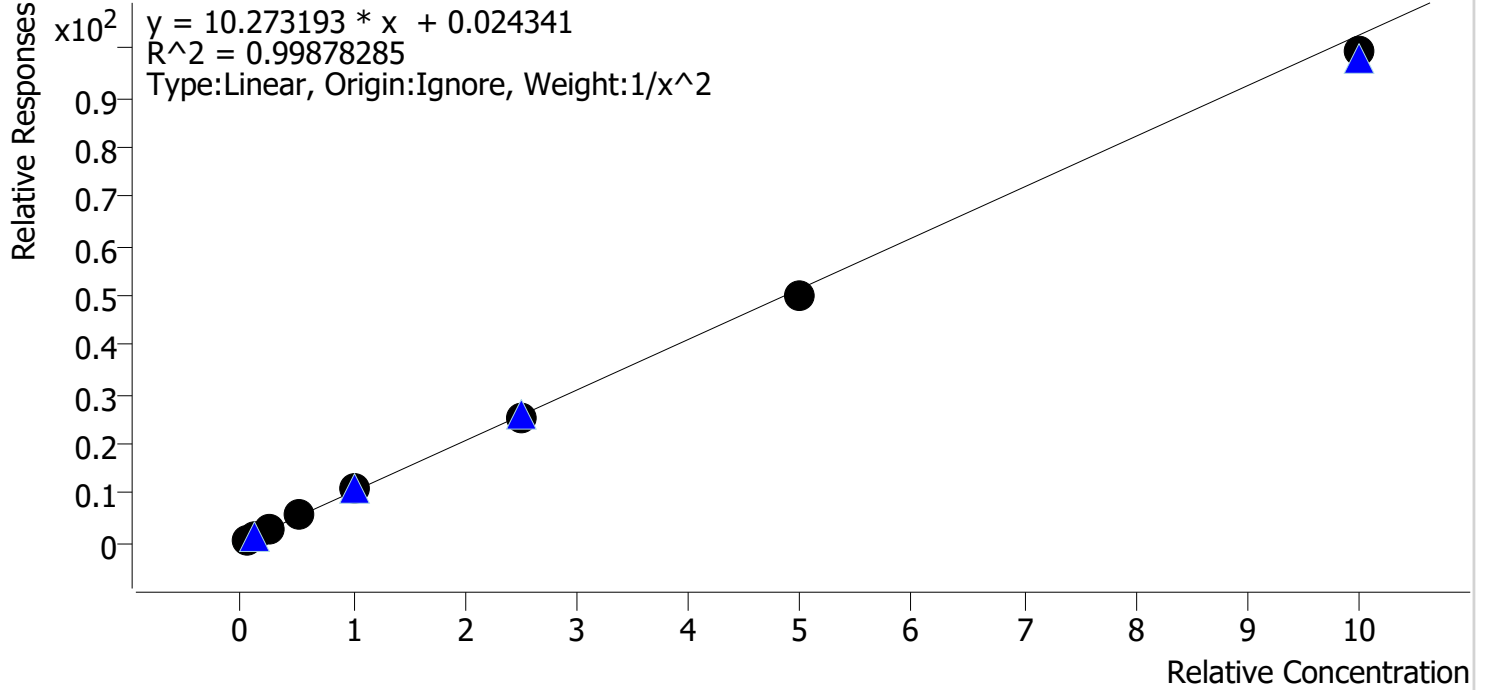
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	5.0	100.7
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	25.0	100.1
cal 4 mdq	4	✓	50.0	51.6	103.1
cal 5 mdq	5	✓	100.0	100.9	100.9
cal 6 mdq	6	✓	250.0	255.3	102.1
cal 7 mdq	7	✓	500.0	505.3	101.1
cal 8 mdq	8	✓	1000.0	942.1	94.2

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** MDMA **Internal Standard** MDMA-D6

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



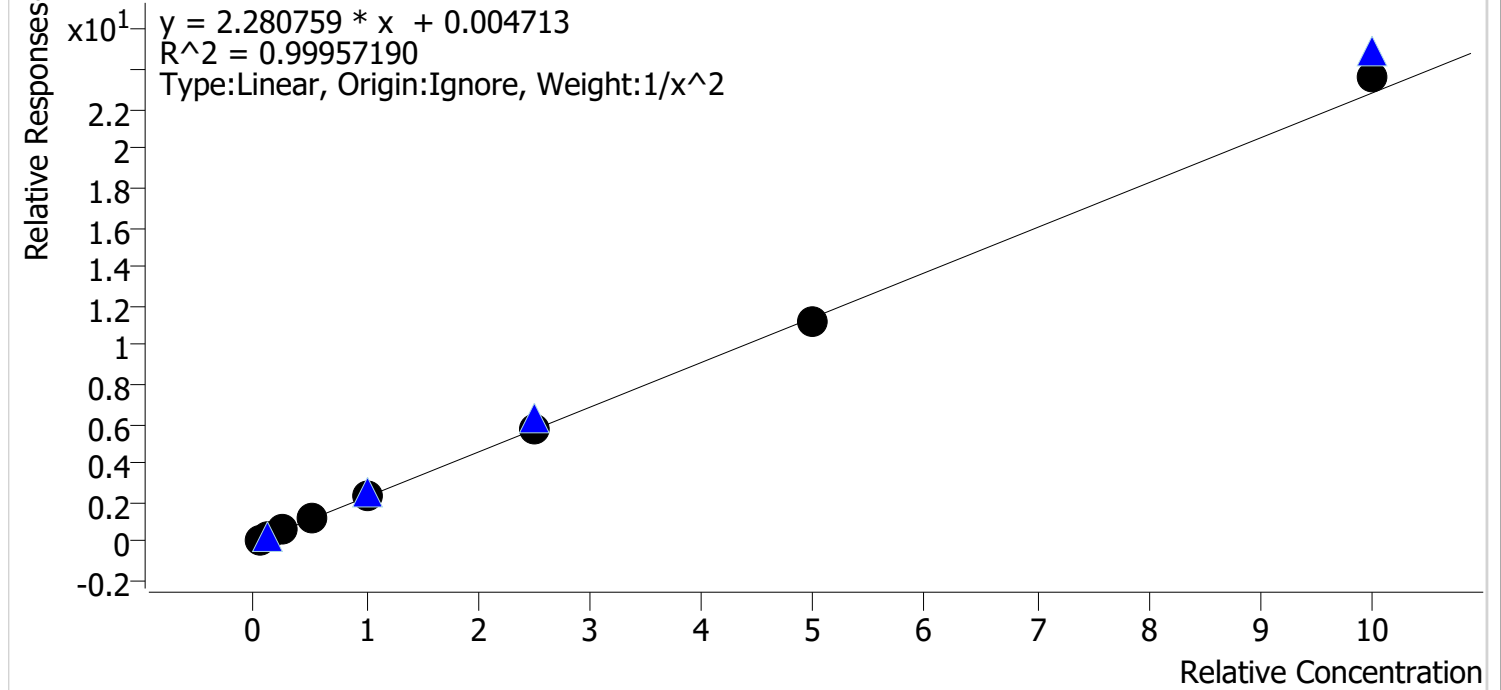
Sample	Level	Enabled	Expected Concentration	Final Concentration	Accuracy
cal 1 mdq	1	✓	5.0	4.9	98.9
cal 2 mdq	2	✓	10.0	10.1	100.6
cal 3 mdq	3	✓	25.0	25.4	101.7
cal 4 mdq	4	✓	50.0	51.7	103.4
cal 5 mdq	5	✓	100.0	104.5	104.5
cal 6 mdq	6	✓	250.0	242.5	97.0
cal 7 mdq	7	✓	500.0	485.6	97.1
cal 8 mdq	8	✓	1000.0	967.3	96.7

# Compound Calibration Report

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Last Cal. Update** 12/24/2020 7:17 AM  
**Analyst Name** ISP\datastor  
**Analyte** alpha-PHP **Internal Standard** Bupropion-D9

alpha-PHP - 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	101.2
cal 2 mdq	2	✓	10.0	9.8	97.9
cal 3 mdq	3	✓	25.0	24.7	98.8
cal 4 mdq	4	✓	50.0	50.7	101.4
cal 5 mdq	5	✓	100.0	99.1	99.1
cal 6 mdq	6	✓	250.0	248.6	99.4
cal 7 mdq	7	✓	500.0	494.5	98.9
cal 8 mdq	8	✓	1000.0	1032.9	103.3

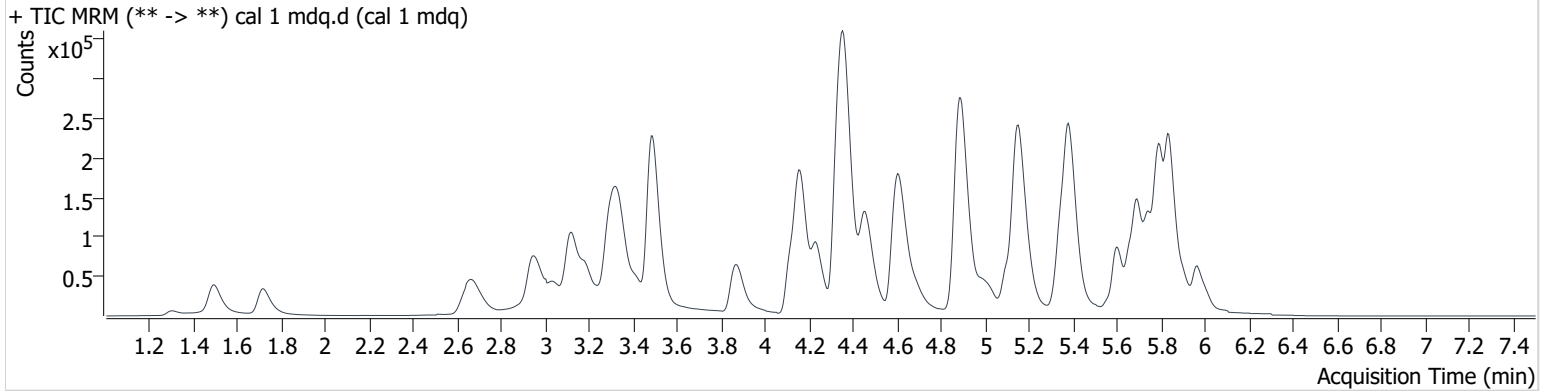
# AM #28 Multi-Drug Quant. Results

*BWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 1 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 1 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-A1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 2:34:02 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	944	3894.3	61.3	1736.5	42402	0.498 ng/ml
7-aminoclonazepam	4.354	19965	730.8	97.5	18767.9	155314	5.010 ng/ml
a-hydroxyalprazolam	5.733	3723	764.4	70.1	4825.4	41160	5.115 ng/ml
alpha-PHP	5.026	26130	65179.0	39.1	4337.1	217497	5.061 ng/ml
alpha-PVP	4.464	48091	35890.3	49.5	3179.6	384777	5.107 ng/ml
Alprazolam	5.807	22039	110918.8	119.6	3503.2	175790	5.029 ng/ml
Amphetamine	3.191	72893	11769.1	48.6	5050.8	212812	5.047 ng/ml
Benzoylcegonine	3.996	1336	8860.3	5.5 <b>Low</b>	2.7 <b>Low</b>	8703	7.532 ng/ml
Buprenorphine	5.681	304	6.4 <b>Low</b>	6.0 <b>Low</b>	12.7	20084	0.375 ng/ml
Bupropion	4.888	35244	10623.3	62.6	6858.3	217497	4.952 ng/ml
Carisoprodol	5.752	14845	3224.8	76.6	1470.2	150114	4.920 ng/ml
Citalopram	5.328	16901	1171.9	43.0	71209.5	137938	5.052 ng/ml
Clonazepam	5.661	25455	8248.4	29.3	109734.0	77309	4.932 ng/ml
Cocaine	4.363	42226	16830.7	46.9	1657.4	589166	4.985 ng/ml
Codeine	2.710	5012	1444.5	111.7	4407.4	51618	5.100 ng/ml
Cyclobenzaprine	5.669	17706	204667.0	7.8	13999.7	107034	5.061 ng/ml
Dextromethorphan	5.362	12163	103328.7	82.6	11187.5	102504	5.167 ng/ml
Dextrophan	4.237	10286	133798.5	215.6	146317.3	244426	4.985 ng/ml
Diazepam	5.968	15405	3940.5	85.3	27592.7	146831	5.067 ng/ml
Dihydrocodeine	2.679	14054	10689.7	58.1	5153.9	147251	4.975 ng/ml
Diphenhydramine	5.389	54778	82117.2	29.0	12329.7	526795	5.039 ng/ml
Doxylamine	4.615	89084	13298.6	98.6	32485.3	694149	5.062 ng/ml
EDDP	5.346	13279	232989.0	209.0	311554.1	268510	5.028 ng/ml
Fentanyl	5.167	1571	228.1	88.2	14744.7	157708	0.513 ng/ml
Fluoxetine	5.740	16570	125.7	7.0	9715.2	99317	4.840 ng/ml
Hydrocodone	3.142	20011	326.4	36.5	2198.7	206093	5.046 ng/ml
Hydromorphone	1.722	17115	9766.1	76.9	18073.7	109160	4.979 ng/ml
Ketamine	4.137	36563	19593.9	37.1	676.9	302486	4.988 ng/ml
Lamotrigine	4.422	3416	1287.0	89.9	20555.6	853800	4.944 ng/ml
Lorazepam	5.775	21869	4103.9	48.4	699.7	332005	4.864 ng/ml
MDA	3.339	42603	6550.6	25.4	2490.3	256640	5.033 ng/ml
MDMA	3.425	28342	346102.3	90.6	11715.2	53247	4.944 ng/ml
Meprobamate	5.012	13894	87636.4	29.7	929.8	99229	4.854 ng/ml

# AM #28 Multi-Drug Quant. Results

*Bylye*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	31220	4796.4	61.5	24943.8	280499	5.027 ng/ml
Methamphetamine	3.349	31826	1160.5	240.8	∞	462481	4.697 ng/ml
Metoprolol	4.421	6295	67242.4	100.8	2112.4	249633	4.729 ng/ml
Mirtazapine	4.692	34906	36638.3	47.7	7153.2	280499	5.193 ng/ml
Mitragynine	5.296	5543	87186.1	30.7	12163.5	20084	5.163 ng/ml
Morphine	1.306	2718	843.8	19.1	10663.7	6399	5.156 ng/ml
Nordiazepam	5.917	12083	146413.1	60.8	7959.9	86332	4.977 ng/ml
Norfentanyl	4.193	791	697.5	277.1	750.0	562405	0.519 ng/ml
Noroxycodone	3.055	17697	1895.5	43.6	457.4	122803	4.962 ng/ml
O-desmethyl-tramadol	3.491	76436	128378.9	6.8	3318.1	784035	5.018 ng/ml
Oxazepam	5.787	30732	1125.4	75.9	1890.7	332005	5.100 ng/ml
Oxycodone	2.973	42234	3740.0	29.1	6136.0	340427	4.989 ng/ml
Oxymorphone	1.494	22272	4894.2	45.0	481.3	164963	4.966 ng/ml
Phentermine	3.898	9026	89.5	9.2	307.9	249633	5.034 ng/ml
Promethazine	5.601	23541	274523.6	38.7	2034.9	225835	5.095 ng/ml
Quetiapine	5.572	15335	7819.3	51.4	73238.8	38757	5.157 ng/ml
Temazepam	5.844	49159	3222.5	28.9	474.3	478029	5.051 ng/ml
Tramadol	4.344	88622	237817.6	3.7	160.3	819664	4.955 ng/ml
Trazodone	5.141	26698	5804.2	75.2	35174.9	233828	4.931 ng/ml
Venlafaxine	5.149	43549	85729.1	45.7	2417.9	687983	5.098 ng/ml
Zolpidem	4.901	97526	6570.9	30.8	19900.4	853800	5.016 ng/ml

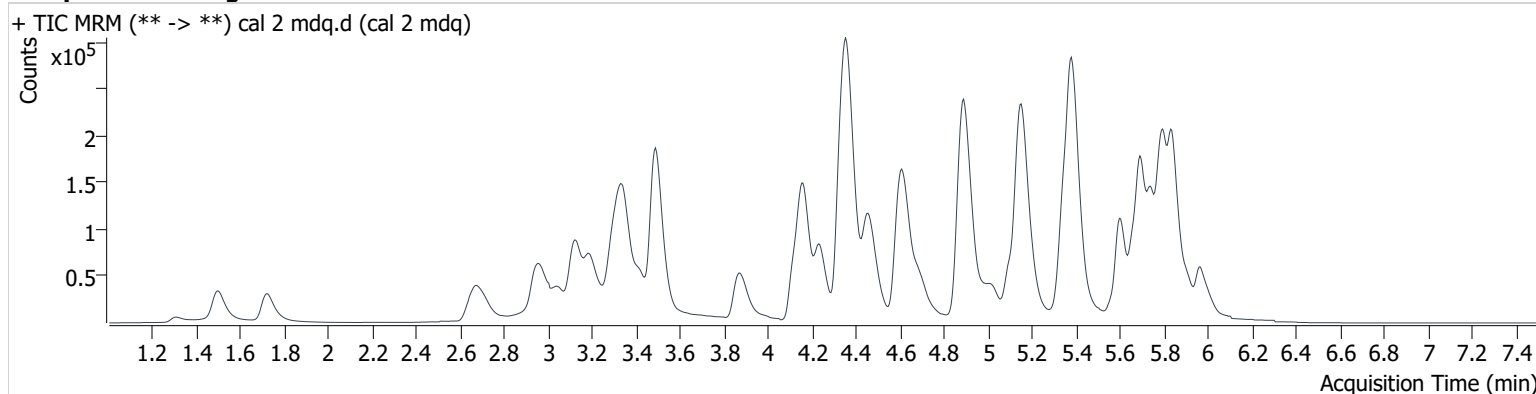
# AM #28 Multi-Drug Quant. Results

*ByWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 2 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 2 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-B1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 2:43:04 PM		

## Sample Chromatogram



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	1411	16235.0	84.2	16714.8	31512	1.027 ng/ml
7-aminoclonazepam	4.359	28899	33121.2	97.8	15544.0	118461	9.763 ng/ml
a-hydroxyalprazolam	5.728	5194	62024.3	67.5	48505.8	30152	9.603 ng/ml
alpha-PHP	5.026	41923	110514.5	39.3	6889.8	183952	9.786 ng/ml
alpha-PVP	4.464	70742	7782.4	51.3	8383.8	301268	9.663 ng/ml
Alprazolam	5.802	35076	11440.4	114.2	8308.0	132619	9.986 ng/ml
Amphetamine	3.197	115714	12534.7	47.9	7095.5	172217	9.843 ng/ml
Benzoylcegonine	3.996	1842	6314.3	10.7 <b>High</b>	15.7	6380	12.372 ng/ml
Buprenorphine	5.686	630	201.6	14.9	943.1	21192	0.974 ng/ml
Bupropion	4.888	57263	46773.3	66.2	8378.1	183952	10.060 ng/ml
Carisoprodol	5.757	23873	10765.8	66.7	795.7	113560	10.369 ng/ml
Citalopram	5.334	35839	5139.3	39.3	91277.5	151931	9.962 ng/ml
Clonazepam	5.661	36445	1457.4	31.1	12213.0	57212	10.041 ng/ml
Cocaine	4.363	61427	3299.3	47.3	45757.9	438225	9.974 ng/ml
Codeine	2.715	7159	4388.3	111.2	3787.4	38874	9.785 ng/ml
Cyclobenzaprine	5.669	38074	329680.6	8.1	2714.7	118117	10.090 ng/ml
Dextromethorphan	5.367	25318	4580.2	76.4	201797.1	123868	9.360 ng/ml
Dextrorphan	4.232	17342	380589.1	211.2	63212.6	206905	10.195 ng/ml
Diazepam	5.968	23803	3290.2	85.5	19573.6	118382	9.742 ng/ml
Dihydrocodeine	2.689	20681	10149.7	56.0	1532.5	108907	10.123 ng/ml
Diphenhydramine	5.389	111413	15225.1	28.5	3306.0	565665	10.021 ng/ml
Doxylamine	4.615	136586	42061.3	97.7	268490.5	545145	9.797 ng/ml
EDDP	5.351	24296	268140.2	219.1	19735.2	262071	9.850 ng/ml
Fentanyl	5.173	3393	848.6	73.6	29845.6	176885	0.952 ng/ml
Fluoxetine	5.745	36170	8108.3	8.1	45157.6	121455	9.790 ng/ml
Hydrocodone	3.142	30327	6868.8	35.3	1945.7	162386	9.827 ng/ml
Hydromorphone	1.722	27975	3869.5	67.0	6675.5	85709	10.110 ng/ml
Ketamine	4.137	54035	13968.3	38.1	1730.5	232356	9.984 ng/ml
Lamotrigine	4.411	4790	25207.1	94.5	22463.1	637516	9.930 ng/ml
Lorazepam	5.780	32061	3609.0	47.9	566.7	250568	10.193 ng/ml
MDA	3.344	70845	6098.5	25.9	5686.5	225198	9.787 ng/ml
MDMA	3.425	47196	422987.6	94.7	9928.9	44605	10.063 ng/ml
Meprobamate	5.012	21022	129210.8	28.4	4191.5	74493	10.237 ng/ml

# AM #28 Multi-Drug Quant. Results

*BWylee*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	68194	3046.3	53.8	6450.0	315130	10.115 ng/ml
Methamphetamine	3.354	38803	∞	223.7	487.7	328202	10.971 ng/ml
Metoprolol	4.421	9582	5507.0	92.2	3668.8	198280	10.459 ng/ml
Mirtazapine	4.692	69631	28307.3	46.5	281013.8	315130	9.510 ng/ml
Mitragynine	5.296	10866	107540.1	30.5	50144.9	21192	9.423 ng/ml
Morphine	1.311	3830	1256.1	16.6	724.1	5032	9.568 ng/ml
Nordiazepam	5.917	20536	144029.8	61.0	124117.3	72785	10.114 ng/ml
Norfentanyl	4.188	1132	108.4	314.5	881.2	437328	0.943 ng/ml
Noroxycodone	3.061	26976	4571.2	45.1	8098.6	95290	9.997 ng/ml
O-desmethyl-tramadol	3.491	110472	231160.6	6.7	3771.8	573694	9.993 ng/ml
Oxazepam	5.792	43625	5251.3	76.8	1229.7	250568	9.626 ng/ml
Oxycodone	2.973	62525	5515.7	27.8	88729.9	252959	10.040 ng/ml
Oxymorphone	1.499	32424	7560.8	43.6	23324.4	122727	10.066 ng/ml
Phentermine	3.898	14701	600.1	8.1	285.1	198280	9.967 ng/ml
Promethazine	5.601	52139	11743.8	38.4	5979.8	257587	9.798 ng/ml
Quetiapine	5.577	26615	83418.7	64.9	240981.6	38611	9.131 ng/ml
Temazepam	5.844	73012	12898.1	29.2	491.7	356570	9.928 ng/ml
Tramadol	4.344	128698	238790.0	3.8	414.5	623081	9.977 ng/ml
Trazodone	5.141	53467	22609.0	73.0	324777.7	239459	10.199 ng/ml
Venlafaxine	5.149	68414	604.4	42.9	4433.1	532375	10.008 ng/ml
Zolpidem	4.901	145900	29196.1	30.4	4349.5	637516	10.069 ng/ml



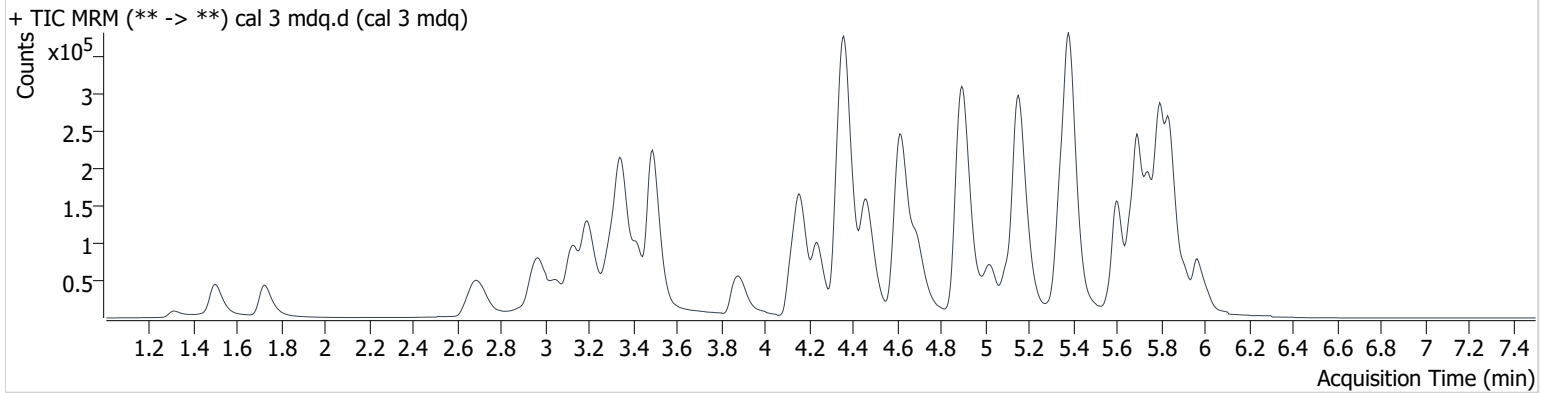
# AM #28 Multi-Drug Quant. Results

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 3 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 3 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-C1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 2:52:05 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.263	3222	30897.0	69.3	3724.8	28806	2.602 ng/ml
7-aminoclonazepam	4.359	72760	15629.7	91.7	28234.3	114404	25.911 ng/ml
a-hydroxyalprazolam	5.733	12339	116376.5	68.3	68639.4	28559	23.859 ng/ml
alpha-PHP	5.031	106430	122509.4	39.4	19604.0	187299	24.708 ng/ml
alpha-PVP	4.464	171871	23356.7	52.0	20606.1	290243	24.488 ng/ml
Alprazolam	5.802	83326	87383.7	113.3	2458.2	122683	24.765 ng/ml
Amphetamine	3.197	279166	17060.9	46.1	22385.2	170007	23.969 ng/ml
Benzoylcegonine	3.986	4263	14727.8	8.1	4676.4	6118	26.992 ng/ml
Buprenorphine	5.691	1474	134.1	13.7	849.4	21724	2.540 ng/ml
Bupropion	4.888	142672	20370.2	66.7	5273.9	187299	25.478 ng/ml
Carisoprodol	5.757	53487	12974.6	71.2	5104.7	106984	24.551 ng/ml
Citalopram	5.333	87415	7516.5	39.0	118108.5	157083	23.849 ng/ml
Clonazepam	5.661	83458	15312.7	30.9	2107.1	53122	25.550 ng/ml
Cocaine	4.363	145155	661878.6	46.7	62441.8	412394	25.401 ng/ml
Codeine	2.715	16570	6482.5	117.1	174673.9	37082	23.918 ng/ml
Cyclobenzaprine	5.669	95523	864900.8	7.5	47823.6	126104	24.038 ng/ml
Dextromethorphan	5.367	63458	284804.1	77.4	518705.5	123062	24.582 ng/ml
Dextrorphan	4.237	39225	582065.3	221.4	906279.7	201063	24.086 ng/ml
Diazepam	5.968	55785	14446.7	88.4	452818.6	108870	24.880 ng/ml
Dihydrocodeine	2.684	44219	9041.3	62.8	37231.7	98795	24.166 ng/ml
Diphenhydramine	5.389	266938	337871.4	30.3	54476.7	577599	24.231 ng/ml
Doxylamine	4.620	348899	9658.2	95.6	28138.8	548041	24.755 ng/ml
EDDP	5.351	58318	541096.3	225.7	39592.9	254994	25.012 ng/ml
Fentanyl	5.172	9253	1461.4	75.2	80144.1	178310	2.510 ng/ml
Fluoxetine	5.745	86832	16768.0	7.3	68425.3	124719	24.850 ng/ml
Hydrocodone	3.142	72929	7849.6	35.3	269.4	154694	25.008 ng/ml
Hydromorphone	1.727	64848	30508.5	67.4	9635.9	78946	25.084 ng/ml
Ketamine	4.132	125453	22230.7	38.1	2746.4	220563	25.026 ng/ml
Lamotrigine	4.416	11371	16966.3	88.8	80560.9	602602	26.048 ng/ml
Lorazepam	5.780	73813	14449.6	45.6	1228.1	235774	26.083 ng/ml
MDA	3.338	177236	16959.7	24.7	10700.3	224185	25.016 ng/ml
MDMA	3.425	114833	2505184.6	92.9	45693.9	43557	25.426 ng/ml
Meprobamate	5.017	49540	400091.1	27.9	6275.1	69447	26.558 ng/ml

# AM #28 Multi-Drug Quant. Results

*Byline*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	163588	3659.8	55.3	574685.4	324810	24.024 ng/ml
Methamphetamine	3.354	73777	425.6	237.0	∞	314997	25.698 ng/ml
Metoprolol	4.421	22990	51832.3	95.7	7642.4	192960	28.020 ng/ml
Mirtazapine	4.692	174877	40083.0	46.0	9611.4	324810	23.709 ng/ml
Mitragynine	5.302	29753	11913.8	30.7	68573.6	21724	24.842 ng/ml
Morphine	1.316	8575	5261.7	18.7	20741.7	4616	23.959 ng/ml
Nordiazepam	5.917	45774	371140.7	64.5	439339.2	66440	24.812 ng/ml
Norfentanyl	4.188	2824	227.8	299.7	423.6	432197	2.358 ng/ml
Noroxycodone	3.055	63582	3125.1	44.8	37946.2	89729	25.412 ng/ml
O-desmethyl-tramadol	3.491	255045	16484.6	6.9	10407.9	540014	24.633 ng/ml
Oxazepam	5.787	104973	19164.9	74.2	8400.6	235774	24.673 ng/ml
Oxycodone	2.973	147102	17740.5	26.9	11213.0	240763	24.964 ng/ml
Oxymorphone	1.499	74041	10763.5	44.7	66405.8	115350	24.977 ng/ml
Phentermine	3.898	35815	1662.9	9.3	811.6	192960	24.444 ng/ml
Promethazine	5.601	130969	2991539.0	38.5	7619.4	262149	24.036 ng/ml
Quetiapine	5.577	72466	53954.6	58.1	664009.0	37308	26.089 ng/ml
Temazepam	5.844	170248	69451.0	30.3	4141.9	336137	24.368 ng/ml
Tramadol	4.349	303562	6011.1	3.7	298.1	592880	25.560 ng/ml
Trazodone	5.141	130541	8493.1	75.3	26783.3	247044	24.930 ng/ml
Venlafaxine	5.149	162275	3007.4	43.8	5640.0	534135	23.208 ng/ml
Zolpidem	4.906	332920	16177.1	30.9	7732.7	602602	24.335 ng/ml

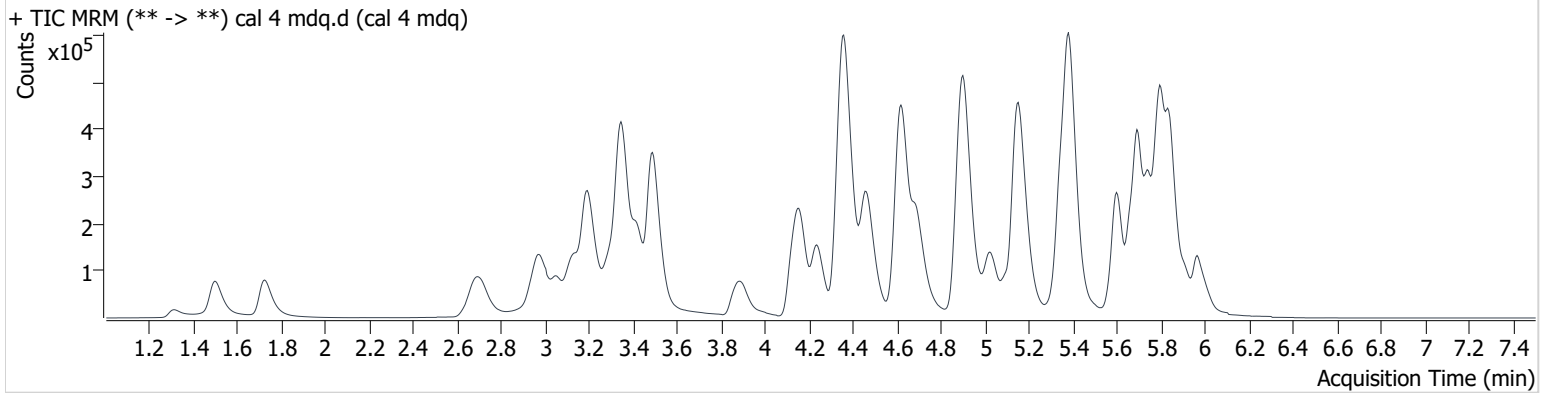
# AM #28 Multi-Drug Quant. Results

*ByWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 4 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 4 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-D1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 3:01:06 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	6903	76690.0	74.4	32239.6	34118	4.726 ng/ml
7-aminoclonazepam	4.354	159749	25823.9	95.1	36511.2	128236	51.027 ng/ml
a-hydroxyalprazolam	5.733	29109	35099.4	60.2	141034.6	30772	52.056 ng/ml
alpha-PHP	5.026	244141	104653.5	38.3	41387.7	210315	50.690 ng/ml
alpha-PVP	4.464	400805	45829.2	52.3	21851.3	333514	49.778 ng/ml
Alprazolam	5.802	184613	4612.0	114.2	35373.6	134536	49.461 ng/ml
Amphetamine	3.197	708878	65488.4	44.0	13256.6	196105	52.692 ng/ml
Benzoylcegonine	3.991	9343	5712.9	9.2	2156.2	6903	50.518 ng/ml
Buprenorphine	5.691	3481	1461.9	16.1	8118.5	25503	5.361 ng/ml
Bupropion	4.888	317126	29736.8	66.7	16200.9	210315	51.017 ng/ml
Carisoprodol	5.752	121913	28929.0	71.6	7369.6	118728	50.342 ng/ml
Citalopram	5.328	203060	11940.8	39.6	1136548.6	173545	50.428 ng/ml
Clonazepam	5.661	190320	24076.6	30.9	471434.4	59023	53.002 ng/ml
Cocaine	4.363	335563	3625095.5	46.7	77738.5	480725	50.605 ng/ml
Codeine	2.715	38877	4838.1	117.8	25982.1	42309	49.316 ng/ml
Cyclobenzaprine	5.669	211079	4292.5	8.0	192588.1	130868	51.456 ng/ml
Dextromethorphan	5.367	148101	1831944.5	76.9	464922.8	140065	51.074 ng/ml
Dextrorphan	4.237	93463	1247358.4	224.2	436148.3	231850	50.057 ng/ml
Diazepam	5.968	129424	39109.4	88.4	13756.2	125159	50.246 ng/ml
Dihydrocodeine	2.684	114020	138883.8	58.2	5953.5	119547	51.751 ng/ml
Diphenhydramine	5.389	594528	656811.0	30.8	2568.7	649358	48.526 ng/ml
Doxylamine	4.620	803054	149083.6	96.7	2695324.2	621949	50.115 ng/ml
EDDP	5.351	140612	824786.1	220.6	40383.8	304313	51.030 ng/ml
Fentanyl	5.172	20266	2226.9	74.4	118941.1	198885	4.891 ng/ml
Fluoxetine	5.745	193585	1218873.1	7.2	118722.8	139931	50.824 ng/ml
Hydrocodone	3.142	168238	322.1	34.9	5800.8	177263	50.479 ng/ml
Hydromorphone	1.722	146927	14671.3	74.9	20234.8	88257	50.594 ng/ml
Ketamine	4.137	291448	87775.8	38.3	3604.6	252453	51.228 ng/ml
Lamotrigine	4.416	26323	12156.5	89.5	17394.5	692154	53.247 ng/ml
Lorazepam	5.780	164981	25269.3	46.4	2787.0	259486	53.787 ng/ml
MDA	3.344	400932	42760.6	24.7	23546.0	247406	51.569 ng/ml
MDMA	3.425	261411	5135634.0	93.7	130806.0	48986	51.708 ng/ml
Meprobamate	5.012	109358	2653374.5	29.5	13084.6	78717	52.145 ng/ml

# AM #28 Multi-Drug Quant. Results

*Byline*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	369106	205570.9	55.8	47320.8	363167	48.849 ng/ml
Methamphetamine	3.354	183885	∞	233.3	∞	411461	52.704 ng/ml
Metoprolol	4.421	52784	344336.9	92.5	6666.7	233844	54.446 ng/ml
Mirtazapine	4.692	399812	289010.6	46.4	15176.7	363167	48.870 ng/ml
Mitragynine	5.302	67059	133443.0	32.0	1912.3	25503	47.513 ng/ml
Morphine	1.311	20940	55238.6	18.9	5408.2	5682	47.945 ng/ml
Nordiazepam	5.917	105008	194973.7	61.4	34902.6	75143	50.410 ng/ml
Norfentanyl	4.183	7098	6040.2	268.2	2831.3	498964	5.115 ng/ml
Noroxycodone	3.055	148011	13473.0	42.3	6097.3	102121	52.249 ng/ml
O-desmethyl-tramadol	3.491	596034	23303.6	6.8	8951.1	622029	50.062 ng/ml
Oxazepam	5.787	237226	47195.6	74.9	12965.4	259486	50.703 ng/ml
Oxycodone	2.973	341911	14689.6	28.9	15984.3	278181	50.320 ng/ml
Oxymorphone	1.494	174417	37903.8	43.8	53517.6	131982	51.809 ng/ml
Phentermine	3.898	88551	2306.9	8.9	4653.1	233844	49.519 ng/ml
Promethazine	5.601	302824	921849.4	40.2	16359.7	295676	49.166 ng/ml
Quetiapine	5.572	166013	37710.1	57.1	1482749.1	43079	51.955 ng/ml
Temazepam	5.844	391675	147322.9	31.1	1999.5	377595	49.770 ng/ml
Tramadol	4.344	715562	686070.7	3.4	1840.6	689354	52.395 ng/ml
Trazodone	5.141	300457	50917.0	76.9	14498.4	278773	51.454 ng/ml
Venlafaxine	5.149	383961	4582.3	43.3	8224.5	603566	48.234 ng/ml
Zolpidem	4.906	782180	24488.2	30.3	11989.3	692154	49.797 ng/ml

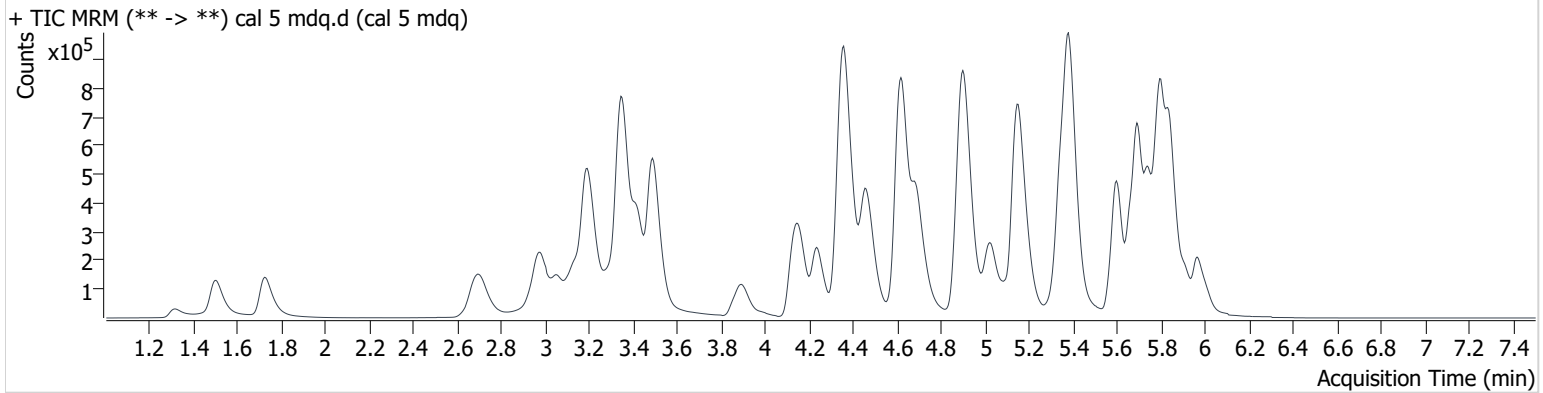
# AM #28 Multi-Drug Quant. Results

*ByWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 5 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 5 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-E1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 3:10:07 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.253	15379	38632.5	72.6	42048.4	35330	10.197 ng/ml
7-aminoclonazepam	4.354	314745	42219.7	95.6	21918.7	128030	100.976 ng/ml
a-hydroxyalprazolam	5.733	57658	6868.6	61.2	24514.9	30413	104.178 ng/ml
alpha-PHP	5.026	489964	67224.8	39.5	26578.0	216368	99.080 ng/ml
alpha-PVP	4.464	816664	75748.2	51.4	33230.4	339712	99.653 ng/ml
Alprazolam	5.802	364451	3792.9	113.9	27980.3	137568	94.970 ng/ml
Amphetamine	3.191	1450468	196469.6	45.3	27218.4	207069	102.051 ng/ml
Benzoylcegonine	3.986	18954	19903.5	7.5	4618.5	7257	95.581 ng/ml
Buprenorphine	5.686	6785	1122.9	17.3	1218.8	25114	10.854 ng/ml
Bupropion	4.883	646836	373435.9	66.9	36234.6	216368	101.732 ng/ml
Carisoprodol	5.752	245239	147682.4	68.5	13367.8	117723	102.051 ng/ml
Citalopram	5.328	428303	12938.0	40.7	2664322.4	186577	99.180 ng/ml
Clonazepam	5.661	369616	95006.9	31.3	1092140.4	59032	103.423 ng/ml
Cocaine	4.363	680989	239267.4	46.3	2199253.8	494055	100.157 ng/ml
Codeine	2.715	82183	10010.1	112.5	18286.8	43613	101.263 ng/ml
Cyclobenzaprine	5.669	453181	3762365.6	8.0	16653.2	148276	97.721 ng/ml
Dextromethorphan	5.367	296044	3819.4	78.8	2444088.2	145038	99.184 ng/ml
Dextrorphan	4.237	194392	1723442.5	221.9	1440043.9	240655	100.573 ng/ml
Diazepam	5.968	256583	30093.8	88.1	43320.8	125044	99.738 ng/ml
Dihydrocodeine	2.679	233006	221828.0	56.8	13253.5	121337	104.424 ng/ml
Diphenhydramine	5.389	1275070	1116291.1	30.3	11637.9	683420	99.438 ng/ml
Doxylamine	4.615	1693459	139694.3	96.4	13181.7	664614	98.810 ng/ml
EDDP	5.351	287856	3420458.4	226.4	534359.8	322679	98.973 ng/ml
Fentanyl	5.173	45434	9125.1	73.2	18632.0	217445	9.989 ng/ml
Fluoxetine	5.740	407808	571888.0	7.4	209979.4	148810	102.118 ng/ml
Hydrocodone	3.142	343331	19788.2	35.2	7416.4	196265	93.153 ng/ml
Hydromorphone	1.722	286705	76387.5	77.6	7409.8	94422	92.086 ng/ml
Ketamine	4.132	593547	114957.6	38.7	3361.9	261751	101.026 ng/ml
Lamotrigine	4.416	51990	18910.7	90.5	527178.0	717372	102.134 ng/ml
Lorazepam	5.780	311690	19984.4	47.9	6506.4	255882	103.772 ng/ml
MDA	3.344	812460	45925.4	25.0	95481.6	256961	100.879 ng/ml
MDMA	3.420	537024	14473.5	92.4	14907.6	49912	104.496 ng/ml
Meprobamate	5.012	223036	288870.6	27.0	5227.4	81914	102.629 ng/ml

# AM #28 Multi-Drug Quant. Results

*BWylee*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	790597	20232.8	55.5	166617.2	391840	97.332 ng/ml
Methamphetamine	3.354	388759	∞	236.3	∞	456657	104.051 ng/ml
Metoprolol	4.421	106342	963267.7	95.2	6461.5	253857	102.348 ng/ml
Mirtazapine	4.692	834065	78450.8	47.2	29184.2	391840	94.838 ng/ml
Mitragynine	5.302	147667	39292.6	29.8	428969.8	25114	106.005 ng/ml
Morphine	1.316	42590	13454.5	18.1	572.7	5377	103.521 ng/ml
Nordiazepam	5.917	208960	1350208.2	61.8	966283.4	76399	98.739 ng/ml
Norfentanyl	4.183	13819	494.4	286.6	7363.2	511967	9.692 ng/ml
Noroxycodone	3.055	299451	6211.7	44.8	35657.2	107879	100.302 ng/ml
O-desmethyl-tramadol	3.491	1226380	10969.9	6.9	4454.9	646974	99.118 ng/ml
Oxazepam	5.787	458778	10820.9	74.7	106810.3	255882	99.473 ng/ml
Oxycodone	2.973	701348	74597.7	29.1	36470.4	289275	99.358 ng/ml
Oxymorphone	1.499	353403	16139.5	44.4	62068.6	137879	100.827 ng/ml
Phentermine	3.898	194571	13153.4	7.6	5621.4	253857	99.884 ng/ml
Promethazine	5.601	661209	3812914.7	38.1	66792.3	317452	99.885 ng/ml
Quetiapine	5.572	356159	67750.4	58.9	2168271.1	48678	98.818 ng/ml
Temazepam	5.844	784161	29694.1	30.2	6955.6	387595	96.950 ng/ml
Tramadol	4.344	1432114	27922.4	3.5	1504.9	707564	102.695 ng/ml
Trazodone	5.141	649575	33741.5	75.6	322948.6	302672	103.034 ng/ml
Venlafaxine	5.149	782211	1737.1	42.9	39219.0	626289	94.379 ng/ml
Zolpidem	4.906	1585541	94402.1	31.5	21040.9	717372	97.411 ng/ml

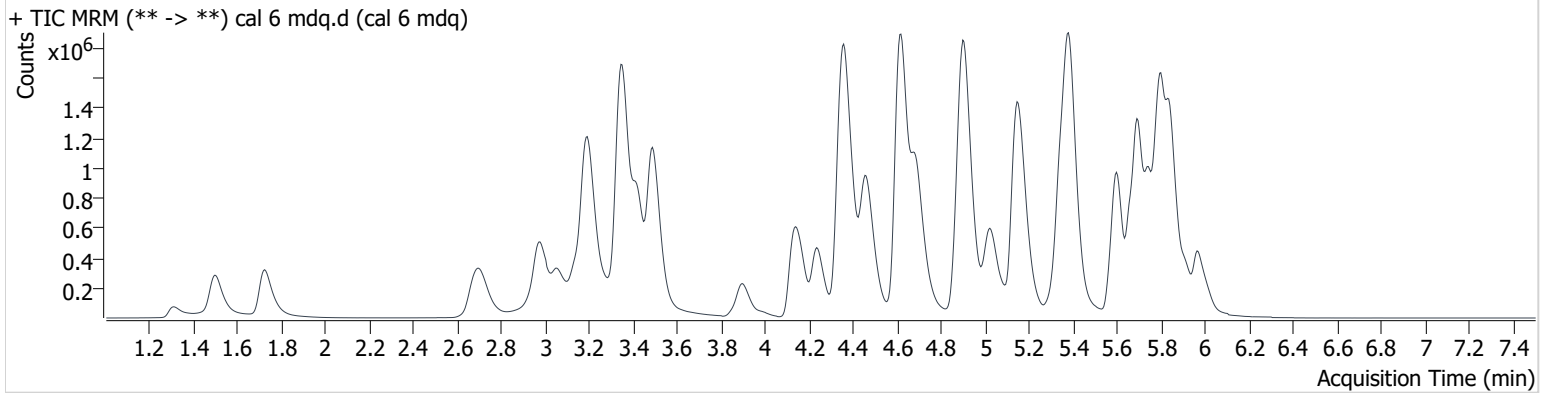
# AM #28 Multi-Drug Quant. Results

*ByWylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 6 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 6 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-F1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 3:19:08 PM		
<b>Sample Info.</b>			

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	37019	9402.1	74.8	13674.4	35924	24.173 ng/ml
7-aminoclonazepam	4.354	729875	10406.2	92.5	328604.4	117008	256.654 ng/ml
a-hydroxyalprazolam	5.733	127917	18726.1	64.1	12591.9	28455	246.818 ng/ml
alpha-PHP	5.026	1207655	173569.8	39.2	180798.3	212804	248.613 ng/ml
alpha-PVP	4.459	1997739	320699.4	52.1	101701.8	332097	249.480 ng/ml
Alprazolam	5.807	860672	11743.1	113.1	93351.6	122941	250.038 ng/ml
Amphetamine	3.191	3532059	259691.8	45.5	94576.6	199493	257.851 ng/ml
Benzoylcegonine	3.986	49976	142439.1	8.4	41706.6	7665	235.573 ng/ml
Buprenorphine	5.691	14790	21436.1	17.7	35004.0	25721	23.379 ng/ml
Bupropion	4.883	1587042	275996.4	65.6	255380.4	212804	254.674 ng/ml
Carisoprodol	5.757	569992	38272.3	68.0	35554.4	113074	246.831 ng/ml
Citalopram	5.328	961332	281263.2	40.5	4576582.1	165929	250.703 ng/ml
Clonazepam	5.661	846074	6415.0	31.5	63102.2	55789	251.262 ng/ml
Cocaine	4.363	1603323	2259488.8	47.1	733395.5	465558	250.596 ng/ml
Codeine	2.710	198364	14294.3	116.7	38206.8	42507	250.962 ng/ml
Cyclobenzaprine	5.669	1025208	8661882.1	8.2	238898.2	130926	250.741 ng/ml
Dextromethorphan	5.362	663441	450262.5	76.6	3745.1	129316	250.260 ng/ml
Dextrorphan	4.237	466224	27035.1	221.4	2335076.3	229810	252.999 ng/ml
Diazepam	5.968	639761	20411.9	88.3	17544.9	123464	251.920 ng/ml
Dihydrocodeine	2.679	571130	292730.2	59.7	101317.5	123765	251.255 ng/ml
Diphenhydramine	5.389	3017561	546958.7	29.6	310663.0	639691	252.229 ng/ml
Doxylamine	4.615	4178537	2612758.8	96.3	19645.5	649214	249.457 ng/ml
EDDP	5.351	722159	88113.8	224.8	67149.9	316237	254.114 ng/ml
Fentanyl	5.173	98893	10427.2	74.3	31435.4	195696	24.105 ng/ml
Fluoxetine	5.745	876117	607717.2	7.4	624363.6	129790	253.679 ng/ml
Hydrocodone	3.142	849758	20018.3	35.6	11260.0	168135	269.380 ng/ml
Hydromorphone	1.722	784014	210086.8	72.1	118115.8	91778	258.640 ng/ml
Ketamine	4.132	1477679	368493.5	38.8	49231.6	261706	252.181 ng/ml
Lamotrigine	4.416	124745	40647.4	90.0	106908.4	710718	248.403 ng/ml
Lorazepam	5.780	686456	95412.5	48.0	5935.9	231721	253.505 ng/ml
MDA	3.338	1916704	10764.9	25.0	59827.0	239966	255.265 ng/ml
MDMA	3.420	1304407	62688.1	92.3	143903.1	52300	242.540 ng/ml
Meprobamate	5.012	534005	2060764.1	28.9	54061.8	80993	249.147 ng/ml

# AM #28 Multi-Drug Quant. Results

*BWylee*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.693	1862970	756633.4	52.9	7607.3	363047	248.104 ng/ml
Methamphetamine	3.349	918450	∞	237.3	∞	458574	250.260 ng/ml
Metoprolol	4.415	241815	3752700.8	94.5	253866.4	256318	232.408 ng/ml
Mirtazapine	4.687	2030064	93114.3	47.3	137801.0	363047	249.744 ng/ml
Mitragynine	5.296	343192	58644.1	31.3	759905.8	25721	240.300 ng/ml
Morphine	1.311	108080	10535.2	18.2	18936.3	5465	259.085 ng/ml
Nordiazepam	5.917	504839	1867759.6	62.3	172732.7	72491	251.532 ng/ml
Norfentanyl	4.183	34689	33215.2	276.5	27347.6	493748	25.203 ng/ml
Noroxycodone	3.055	745437	69812.4	45.0	39995.6	106938	252.275 ng/ml
O-desmethyl-tramadol	3.491	3144792	33573.2	6.8	177297.9	659816	249.347 ng/ml
Oxazepam	5.787	1032107	137551.3	75.7	110013.9	231721	247.171 ng/ml
Oxycodone	2.968	1787341	30854.7	28.8	50203.5	290185	252.568 ng/ml
Oxymorphone	1.494	897257	218294.6	44.0	62284.2	140805	251.214 ng/ml
Phentermine	3.898	499575	11732.8	7.4	14879.1	256318	253.478 ng/ml
Promethazine	5.601	1569468	13873453.0	38.3	359303.0	297363	252.952 ng/ml
Quetiapine	5.572	847706	124822.3	60.3	3976498.3	45731	250.662 ng/ml
Temazepam	5.844	1940198	260638.8	30.2	48384.6	368672	251.982 ng/ml
Tramadol	4.344	3475882	2527233.4	3.5	2928.5	701105	252.361 ng/ml
Trazodone	5.136	1538497	734380.4	75.3	20322.2	290384	255.214 ng/ml
Venlafaxine	5.149	1972267	4579.4	42.1	4658.0	607501	244.795 ng/ml
Zolpidem	4.901	4042369	188955.5	30.6	58097.3	710718	250.708 ng/ml



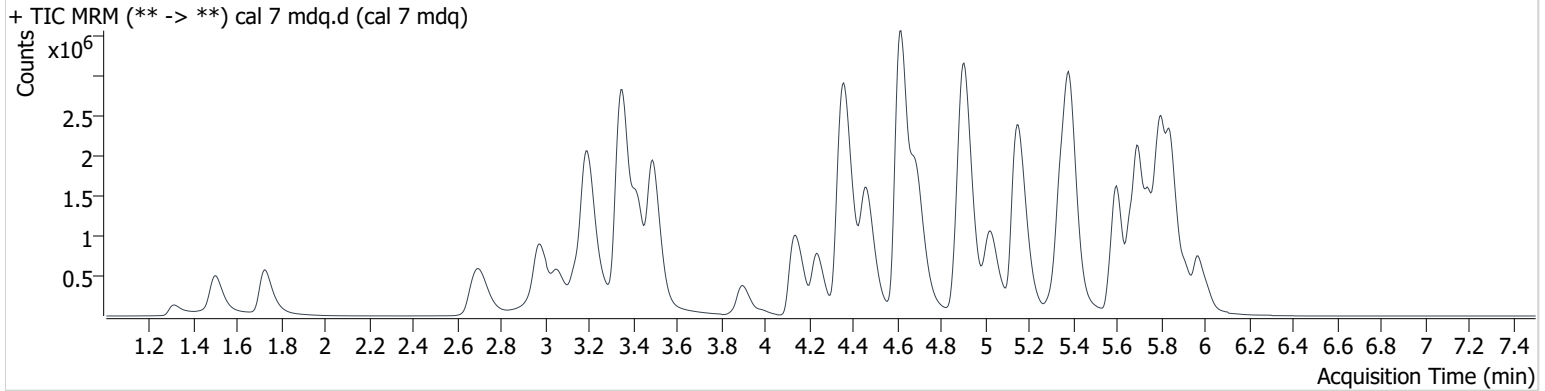
# AM #28 Multi-Drug Quant. Results

*B. Wylie*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 7 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 7 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-G1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 3:28:10 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	71802	24821.2	71.6	9551.7	33912	49.694 ng/ml
7-aminoclonazepam	4.359	1200758	172670.1	90.4	245752.8	100176	493.444 ng/ml
a-hydroxyalprazolam	5.733	207610	18981.3	66.8	34608.3	22321	510.509 ng/ml
alpha-PHP	5.026	2224359	233381.3	39.3	156927.7	197158	494.459 ng/ml
alpha-PVP	4.464	3637436	144536.9	51.9	242521.3	299531	503.715 ng/ml
Alprazolam	5.802	1494879	2763.8	111.3	14257.6	104300	511.318 ng/ml
Amphetamine	3.191	6179355	68016.6	46.2	202675.1	182079	494.203 ng/ml
Benzoylcegonine	3.986	99278	1535913.2	8.6	7832.9	7205	495.549 ng/ml
Buprenorphine	5.691	26299	14922.3	15.8	41342.2	21826	49.264 ng/ml
Bupropion	4.883	2836996	3423397.2	65.4	25115.5	197158	491.936 ng/ml
Carisoprodol	5.757	986279	20034.7	66.8	32160.1	99230	486.607 ng/ml
Citalopram	5.328	1576454	26516.4	41.2	5162103.2	135721	502.881 ng/ml
Clonazepam	5.656	1453438	1325220.9	31.9	2240277.5	48500	497.031 ng/ml
Cocaine	4.363	2806889	15391.1	46.6	1077254.9	413937	493.649 ng/ml
Codeine	2.710	363229	25802.6	116.6	64408.4	39657	492.684 ng/ml
Cyclobenzaprine	5.669	1693965	10587041.6	8.3	21323.9	107025	507.075 ng/ml
Dextromethorphan	5.367	1066385	5100.6	77.9	2131189.1	104793	497.017 ng/ml
Dextrorphan	4.237	843273	11058990.1	224.1	840898.4	212492	495.158 ng/ml
Diazepam	5.968	1173327	79800.2	87.9	21335.5	114472	498.350 ng/ml
Dihydrocodeine	2.679	1070540	60571.9	61.0	277355.6	118182	493.421 ng/ml
Diphenhydramine	5.389	5196687	31100.7	30.0	283795.2	552729	503.247 ng/ml
Doxylamine	4.616	8057848	1697584.7	96.2	44057.2	622134	501.898 ng/ml
EDDP	5.351	1342708	9766.8	224.7	1959246.3	298336	501.296 ng/ml
Fentanyl	5.173	169594	25990.8	73.5	28928.1	161931	49.916 ng/ml
Fluoxetine	5.745	1342497	334018.4	7.8	1335692.3	98689	512.711 ng/ml
Hydrocodone	3.137	1579232	32759.7	35.1	13746.6	155569	541.199 ng/ml
Hydromorphone	1.722	1480159	139966.4	72.6	160574.5	90385	495.604 ng/ml
Ketamine	4.132	2767663	220806.9	39.1	16639.8	248657	497.523 ng/ml
Lamotrigine	4.416	208951	43661.1	92.6	373882.3	660615	448.228 ng/ml
Lorazepam	5.775	1041197	60885.0	49.2	37714.3	180740	493.712 ng/ml
MDA	3.339	3294939	24549.1	25.2	127487.5	208509	505.290 ng/ml
MDMA	3.425	2345686	2834355.3	92.1	8786.4	46994	485.638 ng/ml
Meprobamate	5.012	988922	996572.7	27.6	6527.9	75145	497.744 ng/ml

# AM #28 Multi-Drug Quant. Results

*Bylye*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	3282497	532375.0	51.6	505310.8	310581	511.383 ng/ml
Methamphetamine	3.349	1595491	∞	239.1	∞	421551	476.516 ng/ml
Metoprolol	4.421	413063	920623.4	94.9	243254.4	241407	422.754 ng/ml
Mirtazapine	4.692	3694930	102551.9	46.6	89698.8	310581	531.769 ng/ml
Mitragynine	5.302	598273	∞	31.7	287134.1	21826	493.466 ng/ml
Morphine	1.311	207050	122896.5	19.3	31961.3	5244	517.722 ng/ml
Nordiazepam	5.917	921920	532477.0	61.6	634137.9	65731	506.663 ng/ml
Norfentanyl	4.183	63476	272992.9	280.9	32570.6	448713	50.733 ng/ml
Noroxycodone	3.055	1356623	211468.1	44.9	15909.5	100569	488.434 ng/ml
O-desmethyl-tramadol	3.492	5961792	1987358.3	6.8	303904.5	623013	500.714 ng/ml
Oxazepam	5.787	1689493	989316.4	73.2	160813.1	180740	518.767 ng/ml
Oxycodone	2.968	3368309	83892.2	28.9	52782.0	279297	494.626 ng/ml
Oxymorphone	1.494	1698944	48760.9	44.3	105232.4	136484	491.078 ng/ml
Phentermine	3.898	934483	75085.0	7.2	15328.3	241407	503.098 ng/ml
Promethazine	5.601	2751585	33969109.1	38.0	204147.3	262292	502.671 ng/ml
Quetiapine	5.572	1527073	7961126.3	58.8	10296811.2	41455	498.315 ng/ml
Temazepam	5.849	3520193	14168.4	30.3	14134.4	331337	508.566 ng/ml
Tramadol	4.344	6256177	1968745.4	3.5	15995.0	662278	481.357 ng/ml
Trazodone	5.136	2672473	50070.2	75.7	68607.6	257804	499.906 ng/ml
Venlafaxine	5.149	3766353	637632.0	40.9	4524.0	542794	522.827 ng/ml
Zolpidem	4.906	7551332	251323.9	30.1	80942.9	660615	503.872 ng/ml

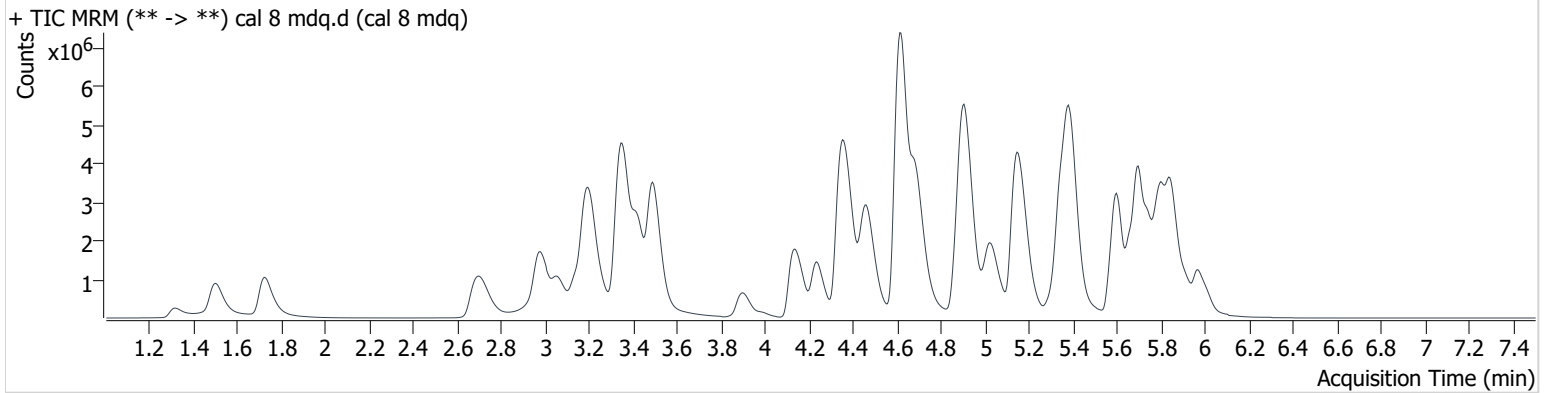
# AM #28 Multi-Drug Quant. Results

*Bylye*

**Batch results** D:\MassHunter\Data\2020 Data\am 27-28 122220\QuantResults\mdq.batch.bin  
**Calibration Last Update** 12/24/2020 7:17:04 AM

<b>Instrument</b>	69679	<b>Data File</b>	cal 8 mdq.d
<b>Type</b>	Cal	<b>Sample</b>	cal 8 mdq
<b>Acq. Method</b>	MDQP1 5-27-20.m	<b>Operator</b>	Britany Wylie
<b>Sample Position</b>	P2-H1	<b>Comment</b>	
<b>Injection Volume</b>	2		
<b>Acq. Date-Time</b>	12/22/2020 3:46:06 PM		

**Sample Chromatogram**



Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
6-MAM	3.258	146562	59412.7	74.3	67206.7	34039	101.083 ng/ml
7-aminoclonazepam	4.364	1694709	681560.6	88.5	665962.0	74118	941.527 ng/ml
a-hydroxyalprazolam	5.728	301488	9869.8	64.0	4248.4	17036	971.202 ng/ml
alpha-PHP	5.026	4560608	4784924.2	38.9	200048.0	193543	1032.950 ng/ml
alpha-PVP	4.459	7225949	301850.8	51.9	389784.6	289505	1035.389 ng/ml
Alprazolam	5.807	2462521	16159.4	111.7	2681.8	84154	1043.353 ng/ml
Amphetamine	3.198	10622576	303174.3	47.0	32006.7	162241	953.376 ng/ml
Benzoylcegonine	3.986	212811	49799.8	7.8	284358.1	7482	1020.788 ng/ml
Buprenorphine	5.691	46657	146272.9	15.8	19547.4	20520	93.178 ng/ml
Bupropion	4.878	5342743	1840223.1	63.7	120203.5	193543	944.285 ng/ml
Carisoprodol	5.757	1543836	353650.9	64.4	147278.8	74884	1009.250 ng/ml
Citalopram	5.323	2881066	60176.6	40.9	1884848.0	121075	1030.485 ng/ml
Clonazepam	5.656	2114889	742126.8	32.4	8943140.3	39245	894.199 ng/ml
Cocaine	4.363	5034065	3784292.0	46.7	1971697.5	371672	986.254 ng/ml
Codeine	2.715	706383	43889.1	111.8	164747.7	35964	1056.688 ng/ml
Cyclobenzaprine	5.664	3059978	7759750.1	8.5	166041.5	98665	993.818 ng/ml
Dextromethorphan	5.362	1938074	3283165.8	75.7	11984.1	91178	1038.866 ng/ml
Dextrophan	4.232	1655153	2286595.4	224.9	3373891.7	204342	1010.929 ng/ml
Diazepam	5.973	2175297	102898.4	87.7	18492.6	104658	1010.592 ng/ml
Dihydrocodeine	2.679	2081413	37879.0	60.8	497739.4	118759	954.898 ng/ml
Diphenhydramine	5.389	10372878	3209813.8	29.6	680902.5	533927	1040.448 ng/ml
Doxylamine	4.610	17511218	5427224.0	95.6	1048644.5	661496	1025.722 ng/ml
EDDP	5.351	2920700	34032764.7	229.1	4537232.6	332279	979.506 ng/ml
Fentanyl	5.178	335835	35900.9	73.6	2039333.5	148354	107.846 ng/ml
Fluoxetine	5.745	2294630	14403913.8	7.8	59455.9	88263	981.187 ng/ml
Hydrocodone	3.142	2975050	56316.5	35.2	16213.6	174929	906.801 ng/ml
Hydromorphone	1.722	2895669	231774.6	72.3	348151.5	84952	1031.308 ng/ml
Ketamine	4.132	5387637	204833.0	38.6	43571.8	249852	964.259 ng/ml
Lamotrigine	4.416	315752	147615.9	92.1	21931.6	619647	722.561 ng/ml
Lorazepam	5.775	1276814	26214.4	50.0	21970.8	128880	849.626 ng/ml
MDA	3.333	5251022	1382017.6	26.5	340440.4	178260	942.149 ng/ml
MDMA	3.425	4426151	2477885.8	90.7	790777.4	44530	967.311 ng/ml
Meprobamate	5.007	1561519	5348298.7	27.5	115701.9	66992	881.945 ng/ml

# AM #28 Multi-Drug Quant. Results

*BWylee*

Name	RT	Resp.	S/N	Ratio	S/N	ISTD Resp.	Final Conc.
Methadone	5.698	7079343	734679.9	50.1	2898585.3	324275	1056.711 ng/ml
Methamphetamine	3.349	2692379	∞	260.3	∞	383710	886.868 ng/ml
Metoprolol	4.415	666874	45080.2	94.7	10642364.6	232685	709.131 ng/ml
Mirtazapine	4.692	7786037	2806950.3	46.0	124267.2	324275	1073.617 ng/ml
Mitragynine	5.296	1223269	17335039.6	32.1	7279734.2	20520	1072.939 ng/ml
Morphine	1.316	386578	372320.6	18.1	5579.3	5134	987.669 ng/ml
Nordiazepam	5.917	1608676	26582012.6	62.3	17815.8	58964	985.630 ng/ml
Norfentanyl	4.183	120979	1866980.9	281.5	113095.5	409139	106.028 ng/ml
Noroxycodone	3.055	2439490	15200.1	44.6	32690.3	92286	957.378 ng/ml
O-desmethyl-tramadol	3.492	11862790	92104.4	6.6	12569.4	608241	1020.606 ng/ml
Oxazepam	5.787	2311572	514768.2	74.4	89479.4	128880	995.423 ng/ml
Oxycodone	2.974	6863516	440874.3	28.6	42246.7	281509	1000.066 ng/ml
Oxymorphone	1.494	3318393	33729.7	43.8	16816.7	135038	969.804 ng/ml
Phentermine	3.898	1807894	1007187.6	6.6	17653.7	232685	1009.460 ng/ml
Promethazine	5.601	5953305	60225774.3	36.9	941283.2	274159	1040.388 ng/ml
Quetiapine	5.572	3044652	35718993.8	60.0	14628494.6	41809	985.312 ng/ml
Temazepam	5.849	6309390	2569256.4	29.8	221085.3	292518	1032.356 ng/ml
Tramadol	4.339	11564834	4188674.1	3.4	52698.5	626005	941.906 ng/ml
Trazodone	5.136	5085424	60254.4	76.6	3882947.4	267685	916.634 ng/ml
Venlafaxine	5.149	7617604	3205918.5	40.9	247023.1	513264	1117.898 ng/ml
Zolpidem	4.906	14560187	182388.7	29.2	119541.3	619647	1035.802 ng/ml